

GEOGRAPHY OF THE WORLD

THE ESSENTIAL FAMILY GUIDE TO
GEOGRAPHY AND CULTURE

FULLY REVISED
AND UPDATED

GEOGRAPHY OF THE WORLD





The Friday Mosque at Mopti in Mali



Street scene in Tokyo, Japan



Chinese boy writing characters



Black pepper plant and peppercorns from the Pacific Islands



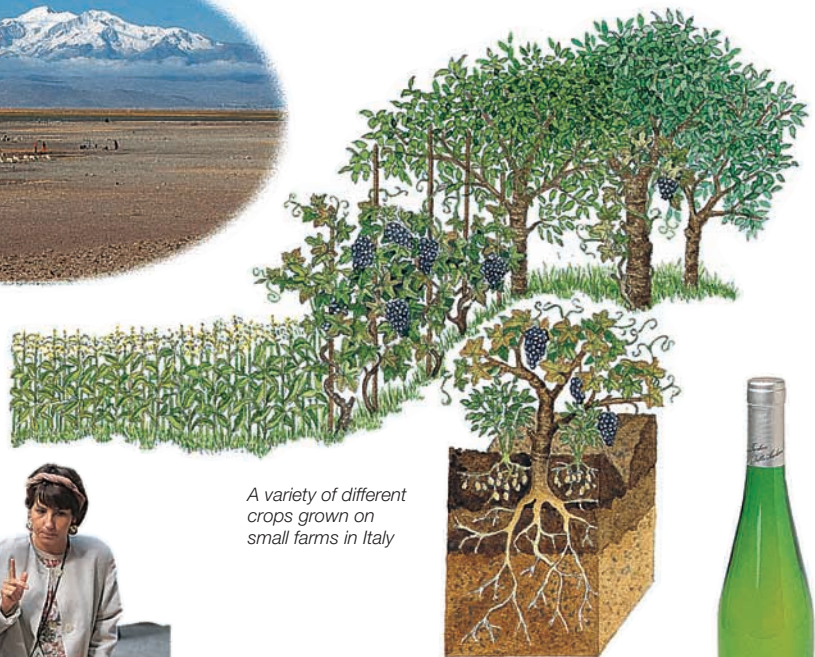
Traditional house built by the Tswana people from Botswana



Aymará Indians from the altiplano in Bolivia



High, windswept plains, called the altiplano, in Bolivia



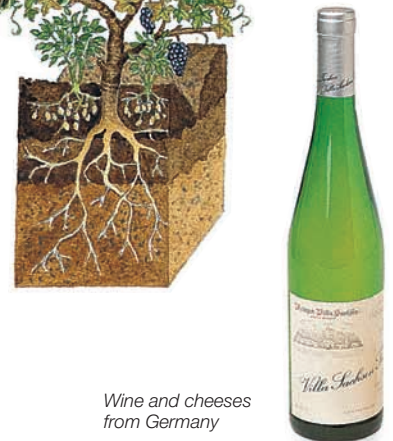
A variety of different crops grown on small farms in Italy



Copper from Namibia



Street market in Lausanne, Switzerland



Wine and cheeses from Germany





UNITED KINGDOM



PHILIPPINES



ARGENTINA



NEW ZEALAND



CANADA



BRUNEI



PARAGUAY



KAZAKHSTAN



BAHAMAS



SUDAN



UNITED STATES OF AMERICA



JAPAN



BHUTAN



ITALY



SWEDEN



GHANA



CÔTE D'IVOIRE



BRAZIL



MEXICO



NORWAY



INDIA



SAUDI ARABIA



GERMANY



FRANCE



SOUTH AFRICA



SENEGAL



AUSTRALIA



AZERBAIJAN



TUVALU



KIRIBATI



MALAYSIA



MONGOLIA



CHINA



RUSSIAN FEDERATION



VENEZUELA



PANAMA



PORTUGAL



BELGIUM



KENYA



SPAIN



IRAQ



CHILE



NETHERLANDS



JAMAICA



GREECE

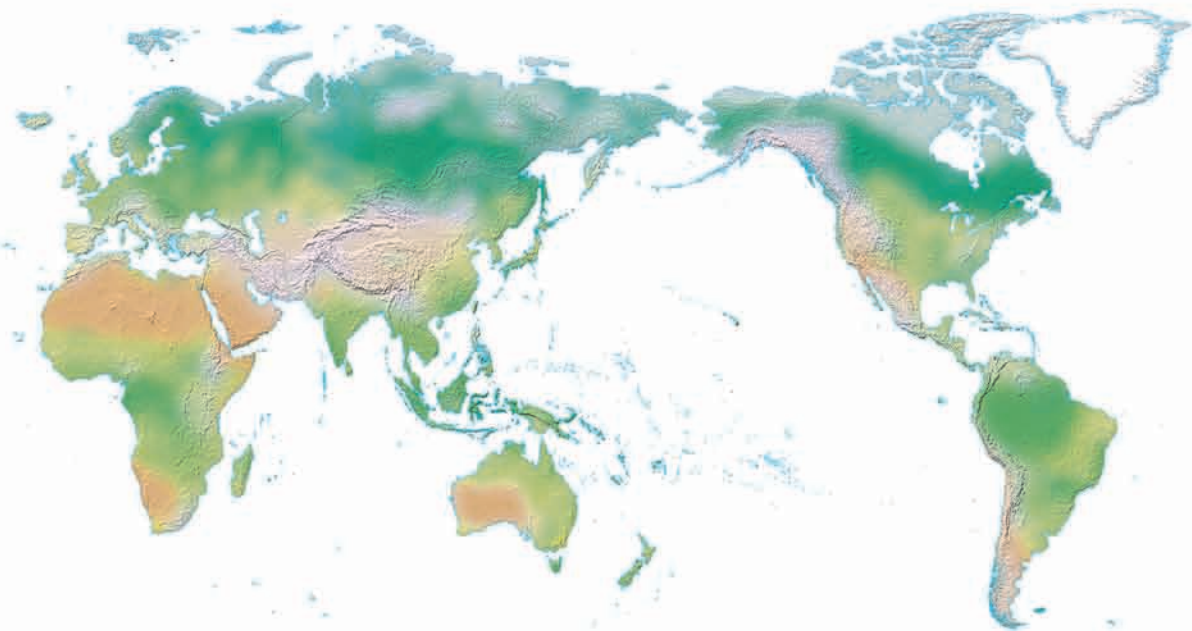


INDONESIA



THAILAND

GEOGRAPHY OF THE WORLD





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MELBOURNE, MUNICH, and DELHI

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First published in the United States in 2006
This revised and updated paperback edition first published in 2010 by
DK Publishing, Inc., 375 Hudson Street,
New York, New York 10014

10 11 12 13 14 10 9 8 7 6 5 4 3 2 1

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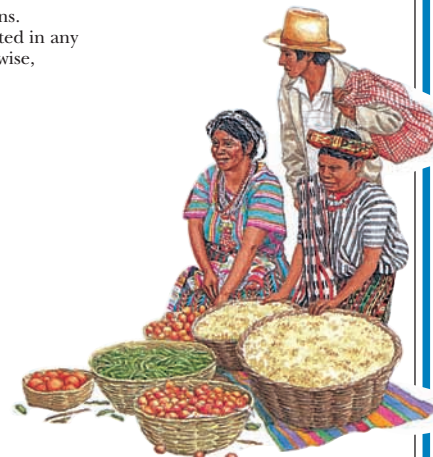
Published in Great Britain by Dorling Kindersley Limited.
Distributed by Houghton Mifflin Company, Boston.

A catalog record for this book is available from the Library of Congress.

ISBN 978-0-7566-1952-7

Color reproduction by Colourscan, Singapore
Printed and bound by Toppan, Hong Kong

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CONTENTS

- 8 How to Use This Book
- 10 The Physical World
- 12 Moving Continents
- 14 Climate and Vegetation
- 16 World Population
- 18 The Political World



20 NORTH AMERICA

22 Peoples of North America

- 24 Canada
- 30 United States of America
- 38 Mexico



40 CENTRAL AND SOUTH AMERICA

- 42 Peoples of Central and South America

- 44 Central America and the Caribbean
- 46 Guatemala and Belize
- 48 Honduras, El Salvador, and Nicaragua
- 50 Costa Rica and Panama

- 52 Cuba and Jamaica
- 54 The Bahamas, Puerto Rico, Haiti, and Dominican Republic
- 56 Lesser Antilles
- 58 Northern South America
- 60 Venezuela, Guyana, Suriname, and French Guiana
- 62 Colombia and Ecuador
- 64 Peru and Bolivia
- 66 Brazil
- 70 Southern South America
- 72 Uruguay, Paraguay, and Chile
- 74 Argentina
- 76 The Atlantic Ocean



78 EUROPE

80 Peoples of Europe

- 82 Scandinavia and Finland
- 83 Norway
- 84 Denmark and Sweden
- 86 Finland
- 87 The British Isles
- 88 United Kingdom
- 90 Ireland
- 91 The Low Countries
- 92 Netherlands, Belgium, and Luxembourg

- 94 Germany
- 97 France
- 98 France, Monaco, and Andorra
- 100 Spain and Portugal
- 101 Spain
- 102 Portugal
- 103 Italy
- 104 Italy, Malta, Vatican City,
and San Marino
- 106 Switzerland and Austria
- 107 Switzerland and Liechtenstein
- 108 Austria
- 109 Slovenia and Croatia
- 111 Belarus and the Baltic States
- 112 Belarus, Estonia, Latvia, and Lithuania
- 114 Central Europe
- 116 Poland and Czech Republic
- 118 Slovakia and Hungary
- 120 Ukraine, Moldova, and the
Caucasian Republics
- 122 Ukraine, Moldova, Georgia,
Azerbaijan, and Armenia
- 124 Southeast Europe
- 125 Serbia, Montenegro, and
Bosnia and Herzegovina
- 126 Macedonia and Albania
- 128 Romania and Bulgaria
- 130 Greece



- 132 **ASIA**
- 134 **Peoples of Asia I**

- 136 **Peoples of Asia II**
- 138 **Russian Federation**
- 144 **Turkey and Cyprus**
- 146 **The Middle East I**
- 148 **Syria and Lebanon**
- 150 **Israel and Jordan**
- 152 **The Middle East II**
- 154 **Iraq and Iran**
- 156 **Saudi Arabia, Kuwait,
Bahrain, and Qatar**
- 158 **United Arab Emirates,
Oman, and Yemen**
- 160 **Central Asia**
- 162 **Kazakhstan, Uzbekistan,
and Tajikistan**
- 164 **Turkmenistan, Kyrgyzstan,
and Afghanistan**
- 166 **The Indian Subcontinent**
- 168 **Pakistan and Bangladesh**
- 170 **India**
- 172 **Sri Lanka, Nepal, and Bhutan**
- 174 **East Asia**
- 176 **China**
- 180 **Taiwan and Mongolia**
- 182 **North Korea and South Korea**
- 184 **Japan**
- 188 **Mainland Southeast Asia**
- 190 **Thailand and Myanmar (Burma)**
- 192 **Vietnam, Cambodia, and Laos**
- 194 **Malaysia and Singapore**
- 196 **Maritime Southeast Asia**
- 198 **Indonesia, Brunei, and East Timor**
- 200 **The Philippines**
- 202 **The Indian Ocean**



204 AFRICA

206 Peoples of Africa

- 208 Northwestern Africa
- 210 Morocco and Algeria
- 212 Tunisia and Libya
- 214 Northeastern Africa
- 216 Egypt and Sudan
- 218 Ethiopia, Somalia, Djibouti, and Eritrea
- 220 West Africa
- 222 Mauritania, Niger, and Mali
- 224 Senegal, Gambia, Guinea, and Guinea Bissau
- 226 Sierra Leone, Liberia, and Côte d'Ivoire
- 228 Ghana, Burkina Faso, and Togo
- 230 Nigeria and Benin
- 232 Central Africa
- 233 Cameroon
- 234 Central African Republic, Equatorial Guinea, Chad, and São Tomé and Príncipe
- 236 Gabon, Congo, and the Democratic Republic of Congo
- 238 Central East Africa
- 240 Uganda, Rwanda, and Burundi
- 242 Kenya and Tanzania
- 244 Malawi and Zambia
- 246 Southern Africa
- 248 Angola, Botswana, and Namibia

250 Zimbabwe and Mozambique

252 South Africa, Swaziland, and Lesotho



254 AUSTRALASIA AND OCEANIA

256 Peoples of Australasia and Oceania

- 258 Australia and Papua New Guinea
- 260 Australia
- 262 New Zealand
- 264 The Pacific Ocean
- 266 The Arctic
- 268 The Antarctic



REFERENCE SECTION

- 270 Political Systems
- 272 Natural Disasters
- 274 World Religions
- 276 Health and Education
- 278 Rich and Poor
- 280 World Trade
- 282 Glossary
- 284 Gazetteer
- 296 Index
- 302 Picture Credits and Acknowledgments

HOW TO USE THIS BOOK

THIS BOOK IS DIVIDED INTO six continental sections – North America, Central and South America, Europe, Asia, Africa, and Australasia and Oceania. At the start of each section there is a map showing the whole continent, and pages describing the peoples who live there. Each country, or group of countries, then has an individual map showing its cities, towns, and

main geographical features. This is followed by country pages that go into detail about life in the countries. The reference section can be used to find out more about subjects of general interest, such as world religions or political systems. There is also a glossary, a gazetteer, and an index. These two pages explain the symbols and information found throughout the book.

COUNTRY PAGES

The country pages, like this one for Japan, have been designed to give you as much information as possible about the way of life in a country – its people, their traditions, politics, and the economy. All the countries of the world are featured in the book.

COLOR BORDERS

Each continental section has a different color border to help you locate that section easily. This page on Japan has the color used for all the countries in Asia.

HEADING

Every page in the book has a heading telling you the name of the section followed by the name of the country featured on that page.

FACT BOXES

Each country page has a box with important statistics about that country, such as its area, the size of its population, its capital city, and its currency. The notes below explain some other entries that appear in most fact boxes.



Locator map
This shows the position of a country, or countries, in relation to its neighbors. This locator map shows where Japan lies off the coast of mainland Asia.

JAPAN	
Capital city: Tokyo	
Area: 145,882 sq miles (377,835 sq km)	
Population: 128,000,000	
Official language: Japanese	
Major religions: Shinto and Buddhist 92%, other 8%	
Government: Multiparty democracy	
Currency: Yen	
Adult literacy rate: 99%	
Life expectancy: 82 years	
People per doctor: 496	
Televisions: 707 per 1,000 people	

People per doctor
This figure shows how many people there are for every one doctor. It gives a rough guide as to whether people have easy access to medical attention. Find out more on page 276.

Major religions
The figures provide a breakdown of the religious beliefs of the people. All the main religions are explained in detail on pages 274–275.

Government
This describes how a country is ruled, or governed. The main types of government are explained on pages 270–271.

Adult literacy rate
This is the percentage of people in a country that can read and write. Literacy rates are based on the ability of people aged 15 or over to read and write a simple sentence. Find out more about literacy on page 277.

Life expectancy
The number shows how long the average person in a country can expect to live. Figures are a combination of the average life expectancy for men and women. There is more about life expectancy on page 276.

ASIA • JAPAN

JAPAN
FOR MANY CENTURIES, Japan was closed to foreigners and wary of the outside world. Today, it is a leading industrial and technological power and one of the world's richest countries. This transformation is even more remarkable given Japan's mountainous landscape and lack of natural resources. Most raw materials have to be imported from abroad. Japanese people enjoy a high standard of living, with good health care and education systems. Average life expectancy in Japan is among the highest in the world. Western influence is strong, but people remain proud of their culture and traditions.

MAKING MONEY
Japan is a huge economic power. It invests in land and property around the world, and many of the world's largest commercial banks are Japanese. Japan's economic and industrial heart is the capital, Tokyo. The world's second largest stock exchange and the headquarters of many banks and corporations can be found in Tokyo's Central Business District. It is said that if an earthquake hit this area, the world would suffer economic chaos.

ECONOMIC STRENGTH
Japan has a highly developed infrastructure and industrial base. One of the main reasons why the country's industries have grown so quickly is that the Japanese are very hardworking. Many of the larger companies are like families, providing housing and health care for their employees. However, society is slowly changing. Young people are starting to question this working culture, especially as the economy began to slow down in the 1990s and unemployment rose.

CHERRY BLOSSOM
Japanese people share a love of nature and pay close attention to the changing seasons. The blossoming of cherry trees has arrived. The first blossoms appear in southern Kyoto. Their progress is plotted on maps shown on television news. The blossoms last for a few days, and people celebrate by picnicking under the cherry trees.

TRADITIONAL DRESS
People in Japan wear kimonos for religious festivals and other special occasions. A kimono (which means "clothing") is a long, loose, wrap-around robe with a broad collar. It may be made of silk, cotton, or wool. Many formal silk kimonos are richly colored and beautifully embroidered.

CHILDREN'S LIVES
Children are well taken care of in Japan. There is even a national holiday, Children's Day, celebrated on May 5. On this festival, "sway-the-flowers" children are dressed in traditional clothing and taken to religious shrines. Japanese children are expected to wash hair at school. In addition to a long school day, many pupils attend after-school clubs in baseball and the swimming.

RELIGION
Shinto and Buddhism, the two major religions of Japan, have about 100 million adherents. Shinto consider themselves Buddhist, Shintoist, or Shinto-Buddhist. There is also a significant Christian community, making it the third most populous religion in Japan.

OVERCROWDING
With a large population and a lack of flat land for settlement, Japan is a crowded country. Land is expensive, especially in the cities, and many people commute long distances to work. During rush hours, subway trains are so crowded that guards have to push commuters on board. The uncomfortable journeys that people endure inspired Japanese technicians to invent personal stereos so people could listen to music while traveling.

FISHING FOR FOOD
As a nation of islands, Japan depends heavily on the surrounding sea for food. The Japanese catch and eat more fish than any other country, and have the largest fishing fleet in the world. There are hundreds of villages dotted along the coast from which small fishing boats venture out; white dories fish are caught by larger trawlers. Some trawlers are floating fish factories that process the catch on board. Millions of fish are also farmed each year on fish farms.

SPORTS/LEISURE
Whether working or taking part, Japanese people love sports. The national sport is baseball, which took its present sport unique to Japan in 1872. Soccer is the most popular. Soccer is the ring discipline on weight and strength, as well as a traditional sport. Golf is popular in Japan. Practice ranges are often built on unused land in dense cities.

FESTIVALS
There are plenty of festivals in Japan, each with their own traditions. The parade of floats known as the Gion Festival is famous. A festival in Kyoto in over 100 years of history. In the festival, floating floats, and floats, the large guilds of good business, make the rounds of the city.

Find out more
EARTHQUAKES: 13
GROWING CITIES: 17, 136
LIFE EXPECTANCY: 276
PEOPLE PER DOCTOR: 277

Abbreviations used in the book:

Imperial	
ft	feet
in	inches
sq miles	square miles
mph	miles per hour
°F	degrees Fahrenheit
Metric	
m	meters
mm	millimeters
cm	centimeters
km	kilometers
sq km	square kilometers
km/h	kilometers per hour
°C	degrees Centigrade
Other abbreviations	
BC	Before Christ
AD	Anno Domini
US	United States
UK	United Kingdom

Find out more

EARTHQUAKES: 13
GROWING CITIES: 17, 136
LIFE EXPECTANCY: 276
PACIFIC RIM ECONOMIES: 137

FIND OUT MORE BOXES
At the end of each country entry there is a Find out more box. This directs you to other pages in the book where you can discover more about a particular subject. For example, one of the pages on Japan explains how the country suffers from hundreds of earthquakes a year. You can find out more about earthquakes and why they occur by turning to page 13 in the book.

MAP PAGES

Each country appears on one of the regional maps, like this one of Southern Africa, shown below. These maps show many geographical features, such as mountain ranges, deserts, rivers, and lakes, along with capital cities and other major towns. The key on the far right shows you what these features look like on the maps. A compass point fixes the direction of the region in relation to North (N).

This figure is the page number.

This figure gives the grid reference on the map.

- Durango Town** Mexico 39 E5
- Durban Town** South Africa 247 I10
- Dushanbe Town** Tajikistan 161 G8
- Düsseldorf Town** Germany 95 D6
- Dvina (Northern, Western) River** Russian Federation 78 I8, L6, 109 G6, J8, 138 E5
- Dzhugdzhur Range** Mountain range Russian Federation 133 O6, 139 Q8

- E** East China Sea China 10 K6, 133 L10, 265 A3
- East Frisian Islands Germany 95 E3

USING THE GRID

The grid around the outside of the page helps you find places on the map. For example, to find the city of Durban, look up its name in the gazetteer on pages 284–295. Next to the word Durban are the reference numbers 247 I10. The first number shows that Durban is on page 247. The second number shows it is in square I10 of the grid. Turn to page 247. Trace down from the letter I on the grid, and then across from the number 10. You will find Durban situated in the square where the number and the letter meet.

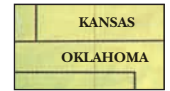
Key to features on the maps



International border



Disputed border



State or province border



River



Wadi



Lake



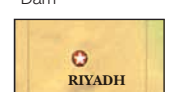
Seasonal lake



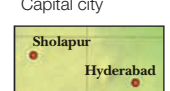
Waterfall



Dam



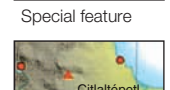
Capital city



Major town



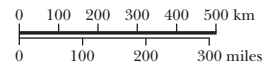
Special feature



Volcanic mountain



Mountain



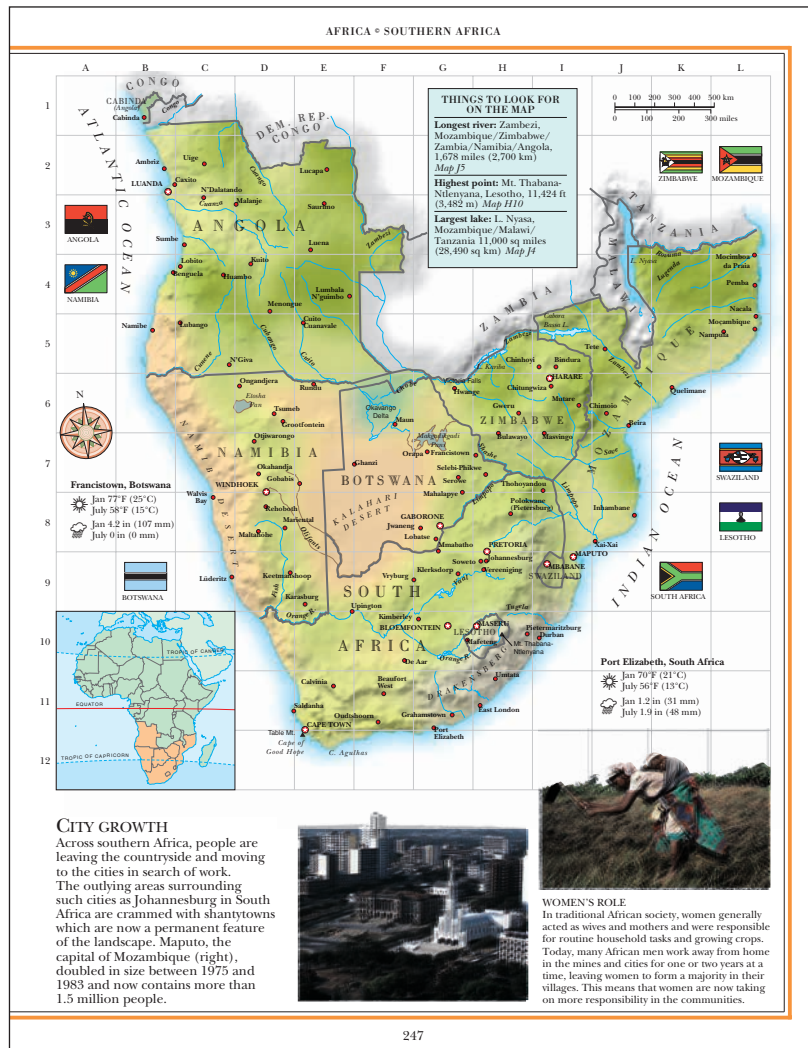
SCALE

Each map features a scale which shows how distances on the map relate to miles and kilometers. The scale can be used to see how big a country is, or how far it is from one place to another. Not all maps in the book are drawn to the same scale.



LOCATOR MAP

This map shows the position of the country, or countries, within the continental section. It also shows how near the country is to the equator, the Tropics of Cancer and Capricorn, or the Arctic or Antarctic Circle. This gives an indication of how hot or cold a country is. Find out more about climate on pages 14–15.



CITY GROWTH
Across southern Africa, people are leaving the countryside and moving to the cities in search of work. The outlying areas surrounding such cities as Johannesburg in South Africa are crammed with shantytowns which are now a permanent feature of the landscape. Maputo, the capital of Mozambique (right), doubled in size between 1975 and 1983 and now contains more than 1.5 million people.



WOMEN'S ROLE
In traditional African society, women generally acted as wives and mothers and were responsible for routine household tasks and growing crops. Today, many African men work away from home in the mines and cities for one or two years at a time, leaving women to form a majority in their villages. This means that women are now taking on more responsibility in the communities.



COUNTRY FLAGS

The national flag for each country or territory appears around the edge of the map. The designs often reflect the culture or religion of the country.

WEATHER FACTS

The average temperature and amount of rainfall recorded in January and July are shown around the main map. Weather facts are given for several places on the map to show how temperature and rainfall can vary within an area. The weather inland, for example, will generally be hotter than that near the coast.

The Sun symbol represents the average temperature.

- Francistown, Botswana**
Jan 77°F (25°C)
July 58°F (15°C)
- Jan 4.2 in (107 mm)
July 0 in (0 mm)

The cloud symbol represents the average rainfall.

Abbreviations used on maps

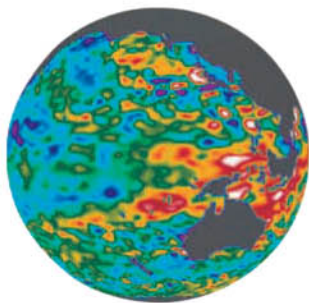
- | | |
|-------------|--------------|
| L. | Lake |
| I. or Is. | Island (s) |
| R. | River |
| Mt. or Mts. | Mountain (s) |
| St. | Saint |
| C. | Cape |
| Res. | Reservoir |

NATURAL DISASTERS

NATURAL DISASTERS SHAPE both our landscape and human history. Since civilization began, mankind has had to cope with the the power unleashed by nature in the form of volcanoes, earthquakes, floods, and fires. The immense forces nature unleashes affect all our lives and influence everything from the way we construct buildings to where we situate towns and cities. Though we can prepare in a limited way for natural disasters, no one knows when the next will strike and with what force. People also pollute the atmosphere, and this means that our climate and its destructive power is changing in ever more extreme and unpredictable ways.

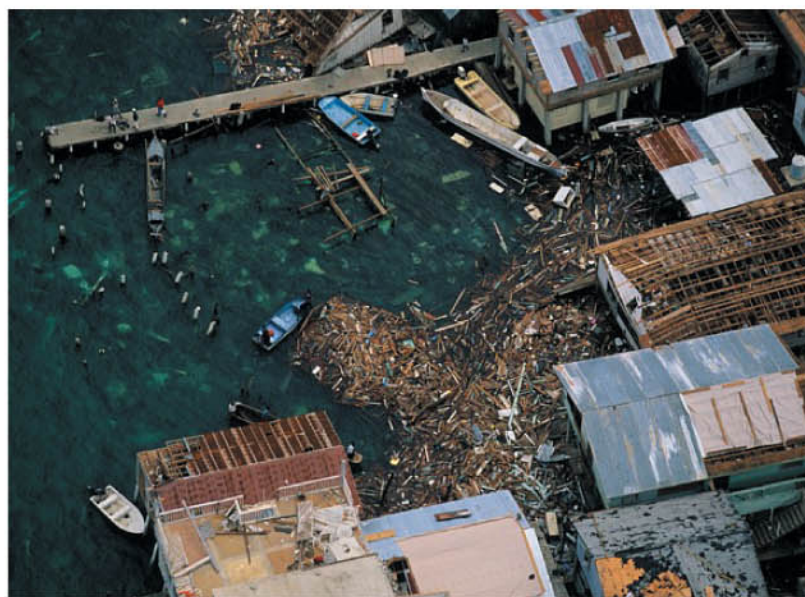
TROPICAL CYCLONES

Tropical cyclones, known as hurricanes in the the Caribbean and the U.S. and typhoons in the west of the Pacific Ocean, are powerful, seasonal storms with high winds of over 70 mph (113 km/h). They originate in oceans over the equator and there are around 100 worldwide each year. Sometimes they do not reach land, but when they do, vast destruction is usual. Tropical cyclones are given names, such as Hurricane Katrina or Mitch, so people can identify them in forecasters' warnings. The thunder storms they generate can produce 10 in (25 cm) of rain each day and thus make huge amounts of energy, often equivalent in one day to as much power as the U.S. uses in one year.



EL NINO

The satellite image of Earth shows the temperature of the land and sea around Indonesia, the red and white colors indicating higher than average readings. Later sea temperatures dropped dramatically. The departure of the large mass of warm water affects where rain clouds come from, and brought drought to Indonesia. This is the weather disrupting phenomenon known as El Niño.



Hurricane Mitch sustained winds of more than 180 mph (290 km/h) and caused huge destruction.



Kiribati in the Pacific will be one of the first countries to be totally submerged.

GLOBAL WARMING

An ever increasing amount of so-called "natural disasters" are, in fact, the results of global warming, a heating up of the Earth's climate that scientists now believe is probably caused by atmospheric pollution. As countries' climates change, people must prepare for new weather situations they had not previously encountered, such as flooding and drought. The warmer temperatures are also melting polar ice caps, thus increasing sea levels. The result is that low-lying areas of some countries will revert back to the sea and some whole islands may be lost.



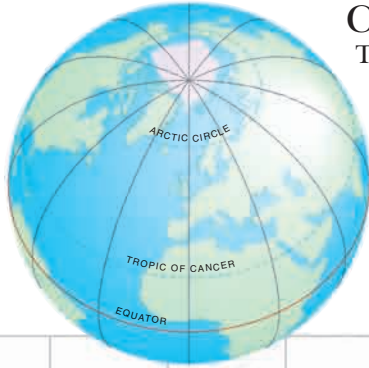
A bush fire rages in Kakadu National Park, Australia.

FIRE

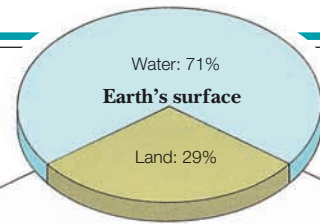
Bush, or forest, fires can be one of the most terrifying of all natural disasters. They destroy vast tracts of vegetation, kill large numbers of animals, and can do great damage to crops and property. A forest fire usually starts after a particularly dry season, and while fires may be set off spontaneously or through a strike of lightning, often they are caused by people. Once burning, the fire quickly grows in scale, becoming a huge wall of flame. Strong winds can drive the flames, spreading them at huge speed and across vast distances.

CONTINENTS

The seven continents that make up the world's land mass are, from largest to smallest: Asia, Africa, North America, South America, Antarctica, Europe, and Australia. The polar regions, not completely visible on the flat map, surround the North and South poles and are shown on the globes left and below.



Only 29 percent of the Earth's surface is land. The percentage area of each continent is shown here.



THINGS TO LOOK FOR ON THE MAP

- Highest point on Earth:** Mt. Everest, China/Nepal, 29,035 ft (8,850 m) *Map H6*
- Lowest point on Earth:** Mariana Trench, Pacific Ocean, 35,840 ft (10,924 m) below sea level *Map L8*
- Longest river:** Nile, Egypt/Sudan/Uganda, 4,187 miles (6,738 km) *Map E7*
- Largest lake:** Caspian Sea, Azerbaijan/Iran/Turkmenistan/Kazakhstan/Russian Federation, 146,101 sq miles (378,400 sq km) *Map F5*
- Largest ocean:** Pacific Ocean, 63,804,540 sq miles (165,241,000 sq km) *Map Q7*

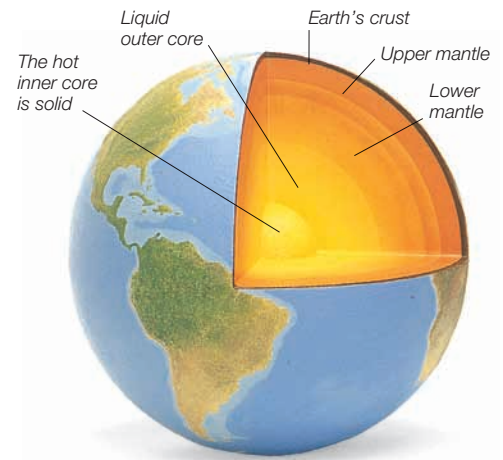
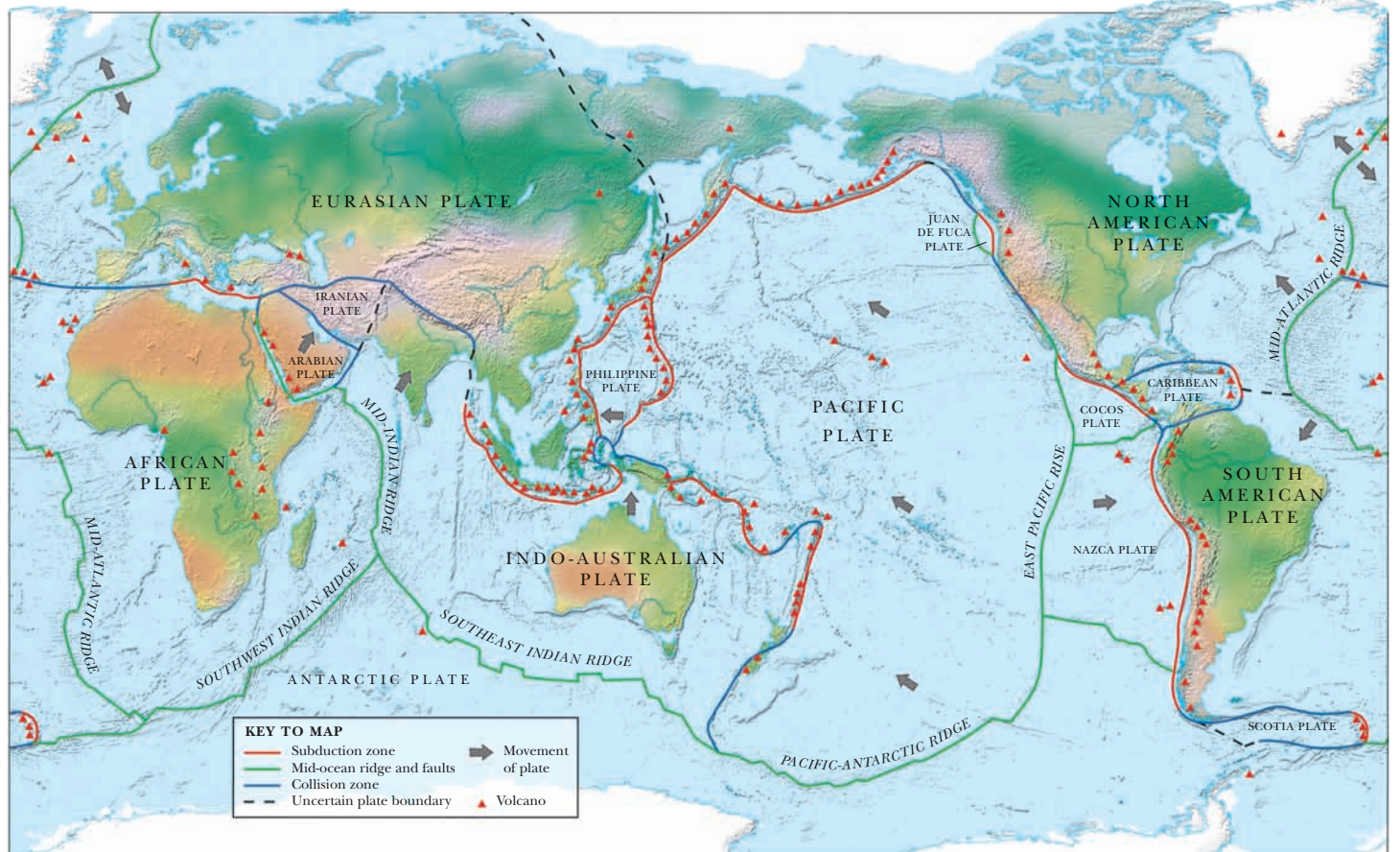
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12
13

MOVING CONTINENTS

THE CONTINENTS THAT MAKE UP most of the Earth's land surface are always on the move, shifted around by forces deep inside the Earth. This is known as continental drift. Movement, or drift, takes place because of intense heat generated within the Earth. The heat is carried upward where it disturbs the cool, rocky surface, or crust, forcing sections of it, called plates, to move. Each year the continents, parts of the plates, drift nearly half an inch (about a centimeter), some getting closer together, others moving farther apart, some grinding past each other. As this happens, many of the Earth's natural features are created or changed.

IN THE BEGINNING

Scientists believe that some 300 million years ago all the land on Earth was joined together in one "supercontinent" called Pangaea. It was surrounded by a giant ocean, Panthalassa. About 200 million years ago, as the plates moved, Pangaea began to split into two great landmasses, Laurasia in the north, and Gondwanaland in the south. These were separated by the Tethys Sea. As the plates continued to move, the two landmasses split and moved farther apart, eventually forming the continents on the map below.



INSIDE THE EARTH

The Earth is not a solid ball, but is made up of many different layers. The crust that forms the continents and the ocean floors is a thin layer of rock that covers the Earth like a shell. The mantle beneath is 1,864 miles (3,000 km) thick and made of hot rock, some of which is molten (liquid). At the center is the core, the hot metallic center of the Earth. This is liquid on the outside and solid on the inside.

RESTLESS EARTH

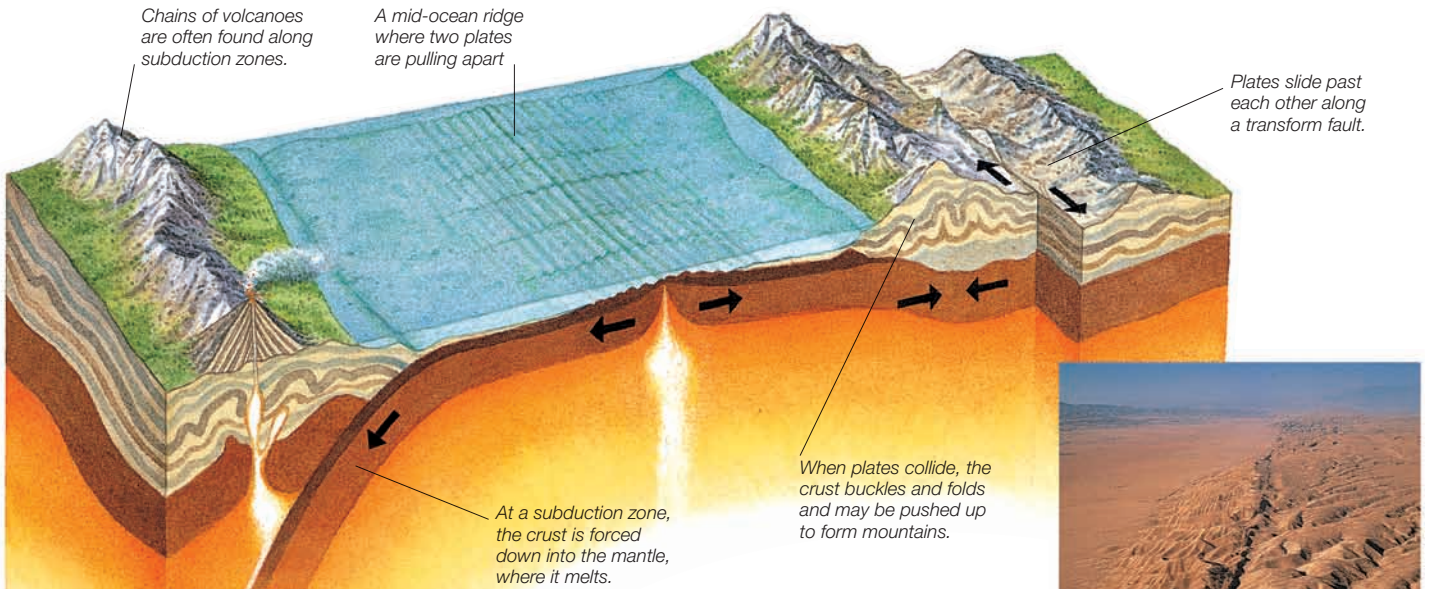
Because the Earth appears to stand still, it is difficult to imagine that the crust is moving. In fact, its plates move in three main ways – as spreading ridges, subduction zones, and transform faults, all shown on the artwork below. It is possible to see the effect this activity has had on the landscape. The Rocky Mountains in North America were formed when two plates collided, while the Great Rift Valley in Africa is the result of plates pulling apart. Volcanoes and earthquakes are also dramatic reminders that the plates are moving.



At Thingvellir, Iceland, the spreading ridge between the North American and Eurasian plates appears as a long gash in the landscape.

SPREADING RIDGES

A spreading ridge occurs where two plates start to pull apart and molten rocks from the Earth's mantle well up to fill the gap. If this happens along the ocean floor, it creates an underwater mountain chain such as the Mid-Atlantic Ridge. Sometimes the peaks of these mountains break the surface as volcanic islands, as happened with Iceland. When a spreading ridge occurs on land, it creates a steep-sided rift valley.



The San Andreas fault is the point where the Pacific and North American plates meet.

TRANSFORM FAULT

At a transform fault two plates grind past each other in opposite directions or in the same direction but at different speeds. No crust is made or destroyed in the process, but the movement creates deep cracks in the ground. The sliding movement often occurs in short bursts, which are felt on the surface as earthquakes. The San Andreas fault in California is an active earthquake zone.

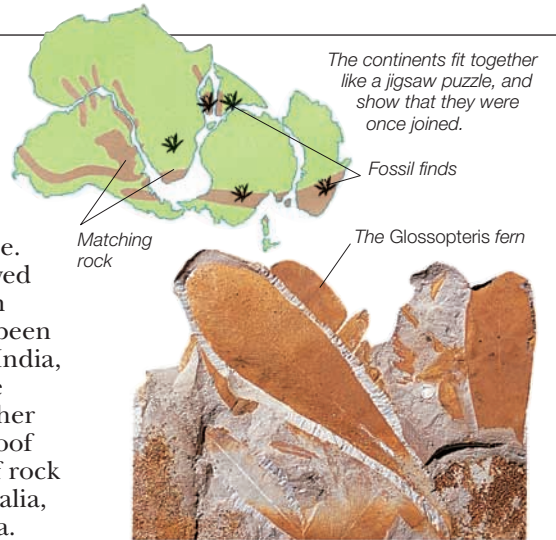


SUBDUCTION ZONE

When two plates meet, the edge of one can be pushed down (subducted) under the other and into the mantle below. The rocks from the crust melt in the mantle. Often these molten rocks force their way to the surface as a volcano. The many volcanoes around the edge of the Pacific plate, such as Mt. Mihara, Japan, were formed this way. Sometimes when plates collide, rocks are forced up, forming great mountain ranges.

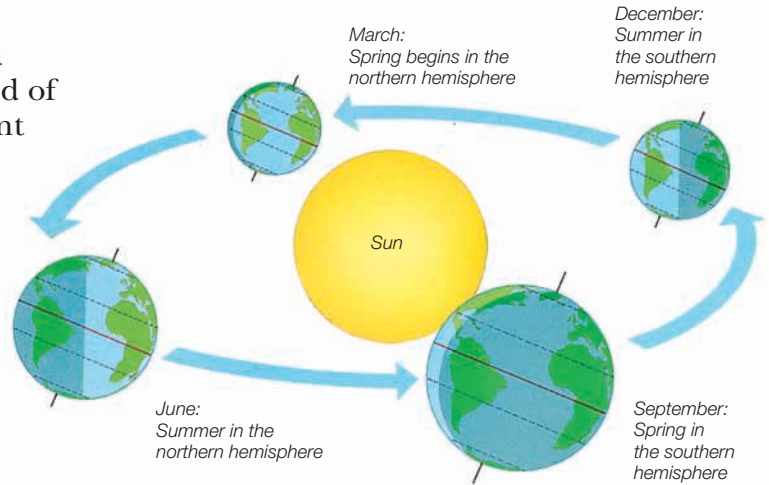
LOOKING AT THE EVIDENCE

When the German scientist Alfred Wegener first proposed his theory of moving plates in 1923, people dismissed his ideas as nonsense. Since then, evidence had proved him correct. Fossils of the fern *Glossopteris* for example, have been found in rocks as far apart as India, Australia, and Africa. All these places were once joined together as Gondwanaland. Further proof comes from matching types of rock that have been found in Australia, Antarctica, and South America.



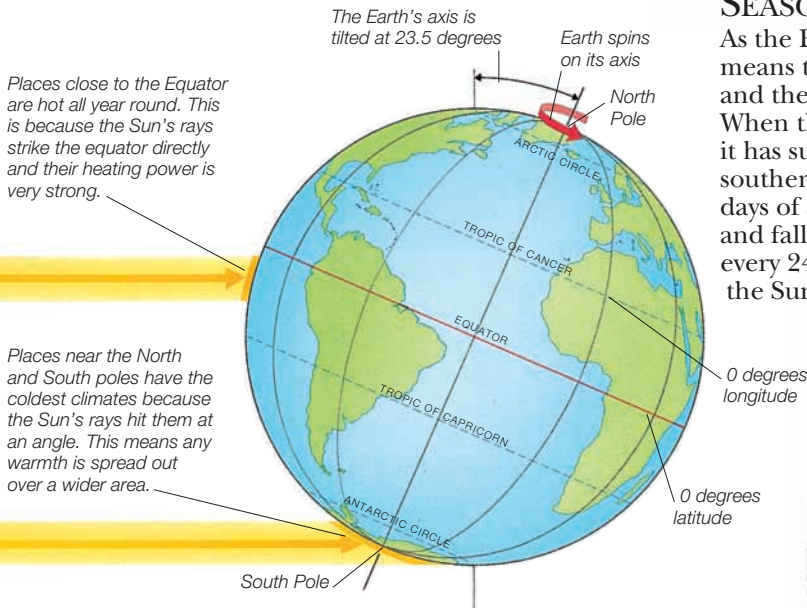
CLIMATE AND VEGETATION

CLIMATE IS THE AVERAGE PATTERN of weather and temperature in a particular area over a long period of time. Similar types of climate are found in different places around the world. For example, there are regions of hot, dry desert in Africa and North America, as well as across central Australia. It is a region's climate, together with its physical landscape, that determines the kind of vegetation, or plant life, that is usually found there. Cold areas near the poles and icy mountain peaks support little, or no, vegetation. Hot, wet rain forests near the equator, however, encourage the fast growth of a variety of plants.



SEASONS OF THE YEAR

As the Earth travels around the Sun, the tilt on its axis means that each place leans gradually nearer the Sun, and then farther away from it. This causes the seasons. When the northern hemisphere leans toward the Sun it has summer. When it tilts away it has winter. In the southern hemisphere this is reversed. Between the warm days of summer and the cold days of winter come spring and fall. The Earth also spins on its axis, turning once every 24 hours to give us day and night. The side facing the Sun has day, while the other side has night.



LATITUDE AND LONGITUDE

A region's climate is influenced by how far to the north or south of the equator it lies. This is called its latitude. The equator, an imaginary line running around the Earth, lies at 0 degrees latitude. Other lines of latitude include the Tropics of Cancer and Capricorn. Regions around the equator are the hottest in the world, while the closer to the poles you go, the colder it gets. There are also longitude lines that run from north to south, known as meridians.

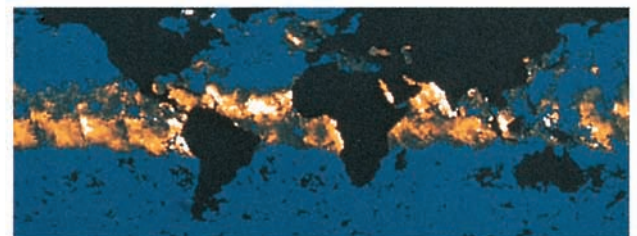


LAND AND SEA

The climate of a region is affected by altitude – how high a place is above sea level. The higher a place, the colder its climate, even if it lies near the equator or the Tropics, like these Atlas Mountains in Morocco. Another important influence is how close a place is to the sea. The sea warms and cools more slowly than land, so coastal areas often have fewer extremes in temperature.

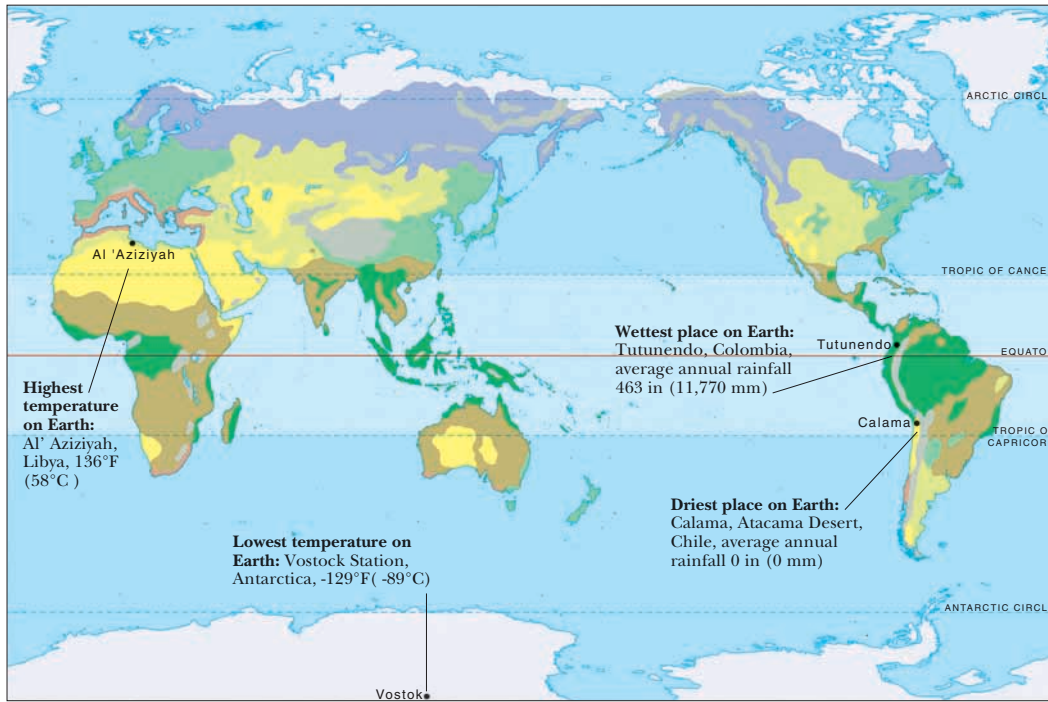
RAINFALL

The amount of rainfall a place receives during the year greatly affects its vegetation as well as its climate. Plants need water to make their own food and will thrive in the warm, wet climate of a tropical rain forest, shown here in Costa Rica. Where rainfall is very low, in deserts and polar regions, only a few plants manage to survive. In other places, the amount of rainfall varies with the seasons.



CHANGES IN WORLD CLIMATE

The world's climate can be changed by both natural as well as human events. When Mt. Pinatubo, a volcano in the Philippines, erupted in 1991, it threw ash and dust high into the atmosphere. Locally, this caused dark skies, heavy rainfall, and high winds. The distance the ash was carried can be seen from this satellite photo. Equally, events such as the massive oil fires in Kuwait, started during the Gulf War, can have a damaging effect on climate.



VEGETATION ZONES
 Scientists divide the Earth into a number of different vegetation zones, also known as “biomes,” shown on the map, left. The plant and animal life found in each zone depends on the region’s climate, landscape, and latitude. Over millions of years, plants and animals have adapted to life in this range of climates, often developing special features that have helped them to survive. The map also highlights how similar landscapes, such as taiga or desert, occur at the same latitude across the world.



POLAR AND TUNDRA

The areas around the North and South poles are freezing cold and covered in ice. South of the North Pole lies a region called the tundra, where the lower layers of soil are permanently frozen. Hardy mosses, lichens, and shrubs are the only plants that can survive here.



TAIGA

In Russian, the word taiga means “cold forest.” It describes the vast evergreen forests that stretch across northern Canada, Scandinavia, and the Russian Federation. Evergreen trees, such as fir, spruce, and pine, are well-adapted to the long, snowy winters.



MOUNTAIN REGIONS

The higher up a mountain you go, the colder it gets. Trees and plants grow on the lower slopes of many mountains. But above a certain level, called the tree line, it is too cold and windy for plants to survive. High mountain peaks are often covered in snow all year round.



TEMPERATE FOREST

Much of the land in northern Europe and North America was once covered by deciduous forests (trees that lose their leaves in winter). Most of these have now been cut down. Deciduous trees grow well in temperate climates where it is never very hot or very cold.



MEDITERRANEAN

Areas with a Mediterranean climate have hot, dry summers and cool, wet winters. They include land around the Mediterranean Sea and other similar places, such as California in the US. Plants and trees, such as olives, have adapted to survive the lack of water in summer.



DRY GRASSLAND

Vast grasslands cover the centers of some of the continents. They include the South American pampas and the North American prairies. They have hot, dry summers and very cold winters. Large parts of these grasslands are now plowed for wheat or used to raise cattle.



TROPICAL RAIN FOREST

Around the equator, the climate is hot and wet all year round, and providing ideal conditions for lush, green tropical forests to thrive. The world’s rain forests may contain 50,000 different types of trees, as well as millions of other species of plants and animals.



HOT DESERT

Deserts are the hottest, driest places on Earth. Despite heat during the day, temperatures may plunge to below freezing at night. In some deserts, years pass without rain. Deserts often contain sandy soil that can only support plants such as cacti.



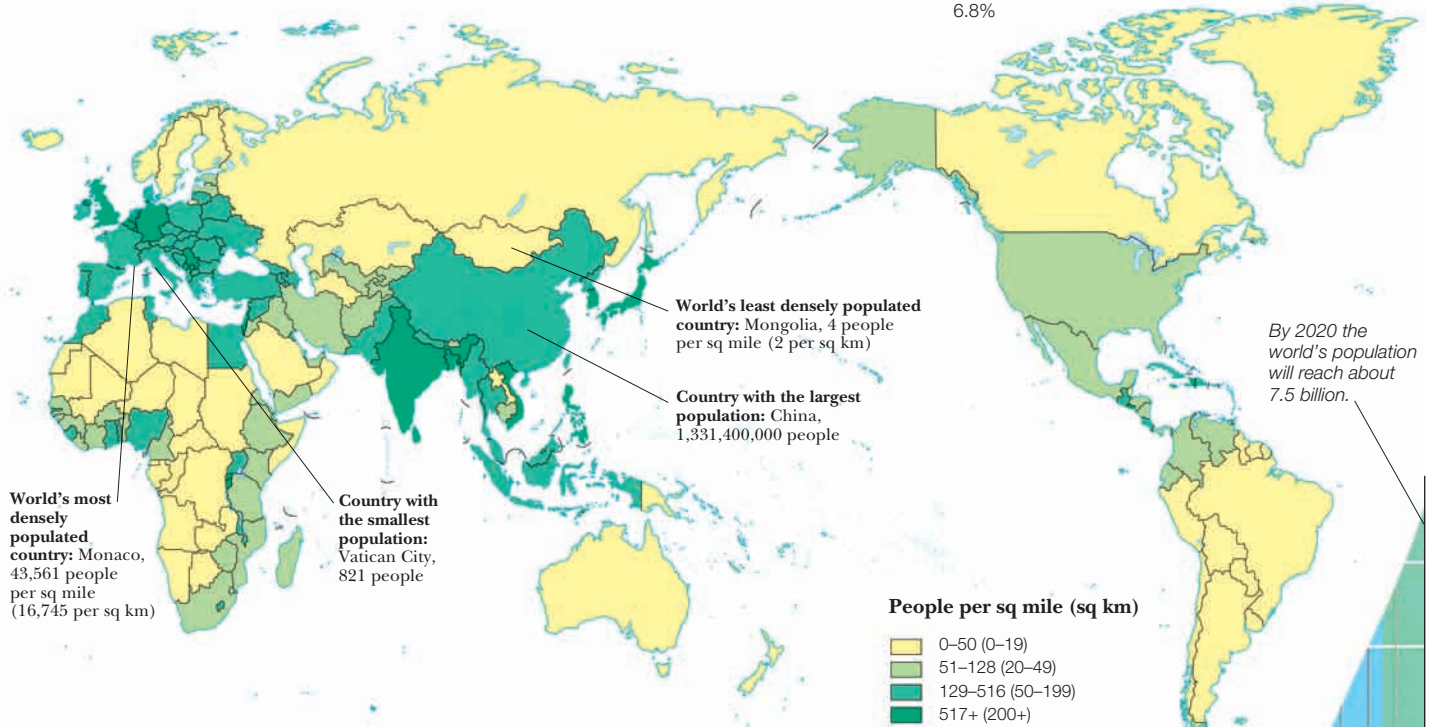
TROPICAL GRASSLAND

Between the hot deserts and tropical rain forests lie tropical grasslands, such as the African savanna. The climate here is always hot, but the year is divided into a wet and a dry season. Tall grasses, as well as low trees and shrubs, grow in these hot areas.

WORLD POPULATION

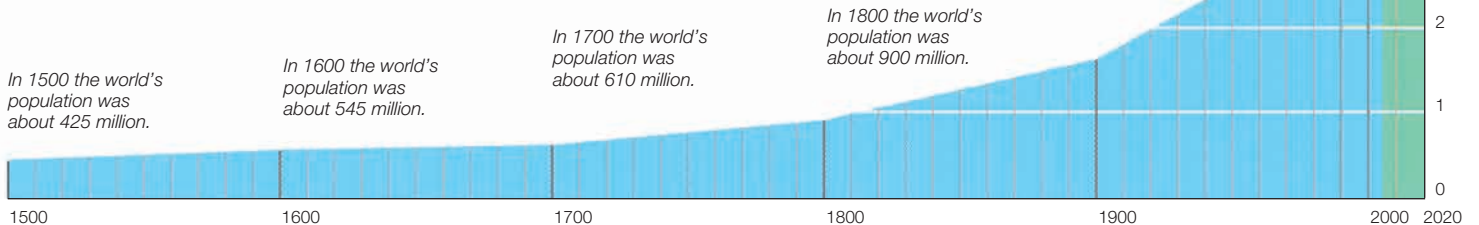
PEOPLE HAVE LIVED ON EARTH for at least 2 million years. For most of that time, population size remained steady, because the number of people born roughly equaled the number that died. Disease and famine ensured that the size of the population did not overtake supplies of food and other resources. However, as farming methods became more efficient and medical knowledge improved, population size rapidly began to increase. It now stands in excess of 6 billion people, with more than one million babies born every four days. In many parts of the world, rapid population growth has created serious problems, such as food shortages and overcrowding in cities.

World map showing the population density of each country



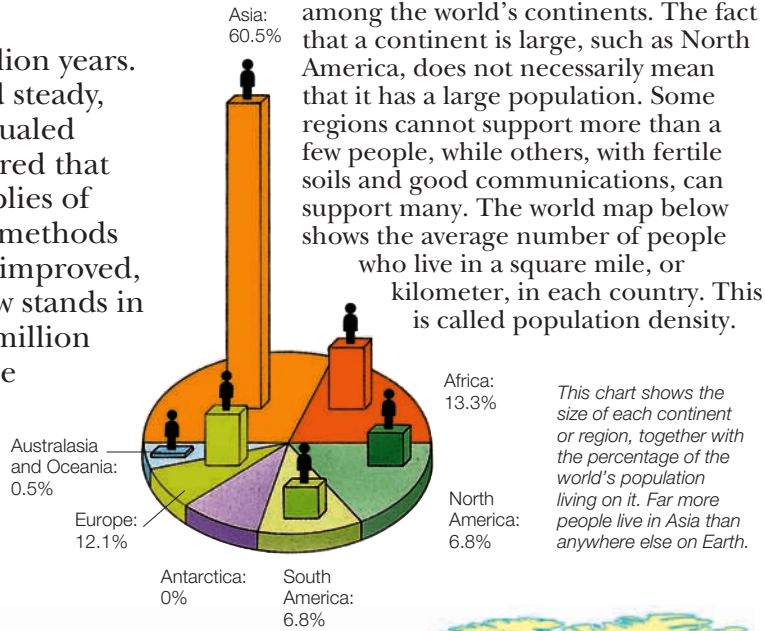
FROM PAST TO PRESENT

In 1500, the world's population stood at 425 million. The majority of these people were concentrated in towns and villages in the northern hemisphere. At first the growth rate was gradual, but from 1800 onward, better health care and food production, and the Industrial Revolution led to rapid world growth. Between 1950 and 1990 alone, the population doubled. Most of the population growth between now and 2020 is projected to occur in Africa, Asia, and Central and South America – the regions that are least able to afford such increases.



WHERE PEOPLE LIVE

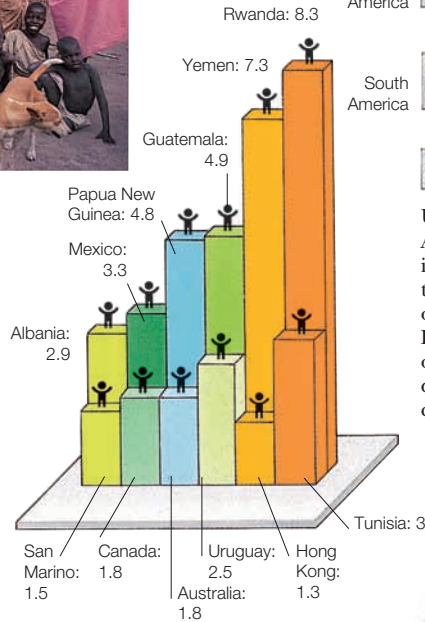
People are not evenly distributed among the world's continents. The fact that a continent is large, such as North America, does not necessarily mean that it has a large population. Some regions cannot support more than a few people, while others, with fertile soils and good communications, can support many. The world map below shows the average number of people who live in a square mile, or kilometer, in each country. This is called population density.



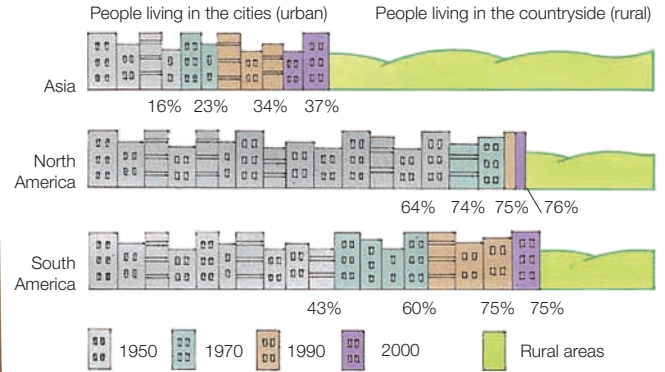
This chart shows the size of each continent or region, together with the percentage of the world's population living on it. Far more people live in Asia than anywhere else on Earth.



Highest and lowest birth rates within each continent

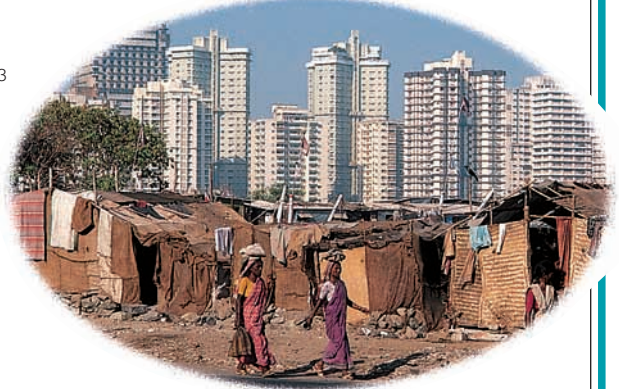


Percentage growth of city dwellers



URBAN GROWTH

At the start of the 20th century, only one in ten people lived in a city. The vast majority lived in rural areas and worked on the land. Today, about half the world's population consists of city dwellers. There are various reasons for this growth. For example, in South America people have been pushed out of the countryside by poverty and loss of land and are drawn to the cities in search of work. By 2020, if the growth continues, almost half of all people will live in a city.



CITY SLUMS

One effect of the move of large numbers of people from the countryside to the cities is overcrowding. There are simply not enough houses and resources to go around. In many large cities, such as Mumbai (Bombay), India, this has led to the growth of sprawling shanty towns on the edges of cities. Conditions in these city slums are often unhygienic. Families survive in crowded homes made of makeshift materials, often with no electricity or running water.

BIRTH AND DEATH

The number of babies a woman has varies from one country to another. In the Sudan, above, the birth rate is high, with an average of 4.9 babies per mother. Better health care, even in the poorer countries of the world, means that fewer babies now die of hunger or disease, and fewer women die in childbirth. In wealthy countries, such as Canada, the birth rate is low because people can choose to have small families. Advances in medical knowledge also mean that people are living longer.



WORLD'S BIGGEST CITIES IN 1950	
New York, US	12,300,000
London, UK	8,700,000
Tokyo, Japan	6,700,000
Paris, France	5,400,000
Shanghai, China	5,300,000

WORLD'S BIGGEST CITIES IN 2005	
Tokyo, Japan	34,200,000
Mexico City, Mexico	22,800,000
Seoul, South Korea	22,300,000
New York, USA	21,900,000
São Paulo, Brazil	20,200,000

SUPER CITIES

Before the 19th century, cities with more than a million people were rare. In the last 100 years, however, the number of large cities has grown dramatically. Today, several cities, such as Tokyo, already have populations of more than 20 million. This means that some cities have more people than some entire countries do, such as New Zealand or Sweden. Large cities often suffer from pollution, caused by car exhausts, factory emissions, and domestic waste.

LOOKING TO THE FUTURE

Although world population growth is showing signs of slowing, numbers are still rising quickly, especially in developing countries. To encourage people to have fewer children, programs have been set up to teach women about family planning and health care so that they have more control over the size and health of their families. Today, almost half the married women in the developing world report that they or their partner use birth control, compared with less than a quarter in 1980.

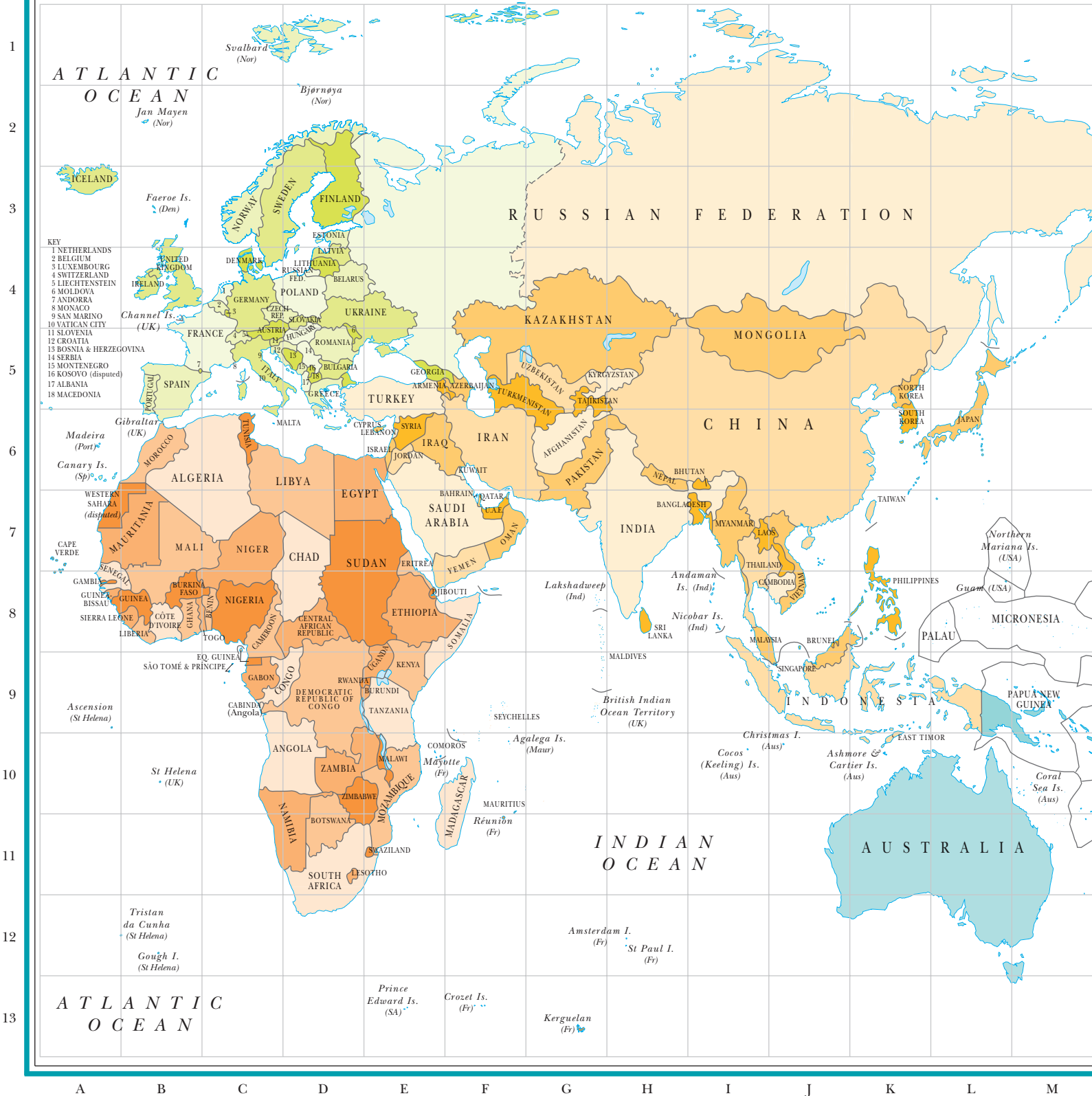
This doctor is writing out a prescription for contraceptives, now used by 43 percent of the women in Zimbabwe.



THE POLITICAL WORLD

IN ADDITION TO BEING DIVIDED into physical land masses, the world is also split into countries. These countries are separated from one another by language, government, and culture, and this creates the political world. As recently as 1950, there were only 82 countries. Today there are

more than twice that many – some vast, others tiny. New countries are created when people want freedom from their past colonial rulers or when separate peoples living within one country seek independence. The breakup of Yugoslavia in the 1990s, for example, created seven new countries.



COUNTRY BORDERS

The line that separates one country from another is called a border. Sometimes these follow a natural feature, such as a mountain range or a river. On other occasions they follow a straight line, ignoring physical features. When countries are on friendly terms, borders can be little more than lines on a map, easily crossed. If there is conflict, however, borders may be heavily defended, and it is often difficult to move from one country to another.

The longest undefended border in the world runs between the US and Canada. The border is shown here as it cuts through a forested area in the east of both countries.



THINGS TO LOOK FOR ON THE MAP

World's largest country: Russian Federation, 6,592,735 sq miles (17,075,200 sq km) *Map I3*

World's smallest country: Vatican City, 0.17 sq miles (0.44 sq km) *Map C5*

World's longest frontier: between the US and Canada 3,987 miles (6,416 km) *Map T4*

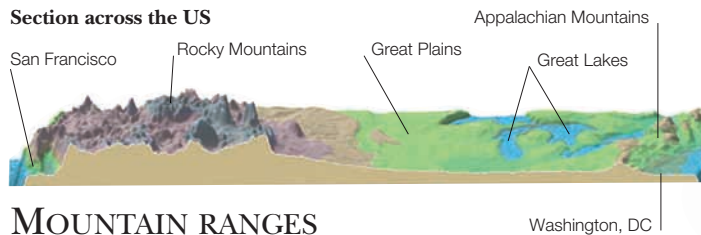
Country with the most neighbors: China has borders with 14 other countries *Map I6*

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N O P Q R S T U V W X Y Z

NORTH AMERICA

NORTH AMERICA INCLUDES THE COUNTRIES of Canada, the United States, and Mexico, as well as the world's largest island, Greenland. During the last Ice Age, a great sheet of ice flowed across the continent scouring the landscape, deepening the depressions that now hold the Great Lakes, and dumping fertile soil onto the central plains. The Rocky Mountains form the backbone of the continent, running from Alaska to New Mexico. In the east are the Appalachian Mountains, flanked by coastal lowlands to the east and south. In eastern Canada lies the Canadian Shield, a huge basin of ancient eroded rocks now covered with thin soils. Deserts stretch from the southwestern United States down into northern Mexico.



MOUNTAIN RANGES

The main mountain ranges of North America, the snowcapped Rockies and the forested Appalachians, vary greatly in appearance (see above cross-section). The difference can be explained by their age. The Rockies, shown right, are relatively young mountains that have not yet been worn down. The Appalachians, however, are among the world's oldest mountains and have been gradually eroded by the scouring action of wind, water, and the movement of glaciers.



This view shows the Rockies in Canada.



THE GREAT PLAINS

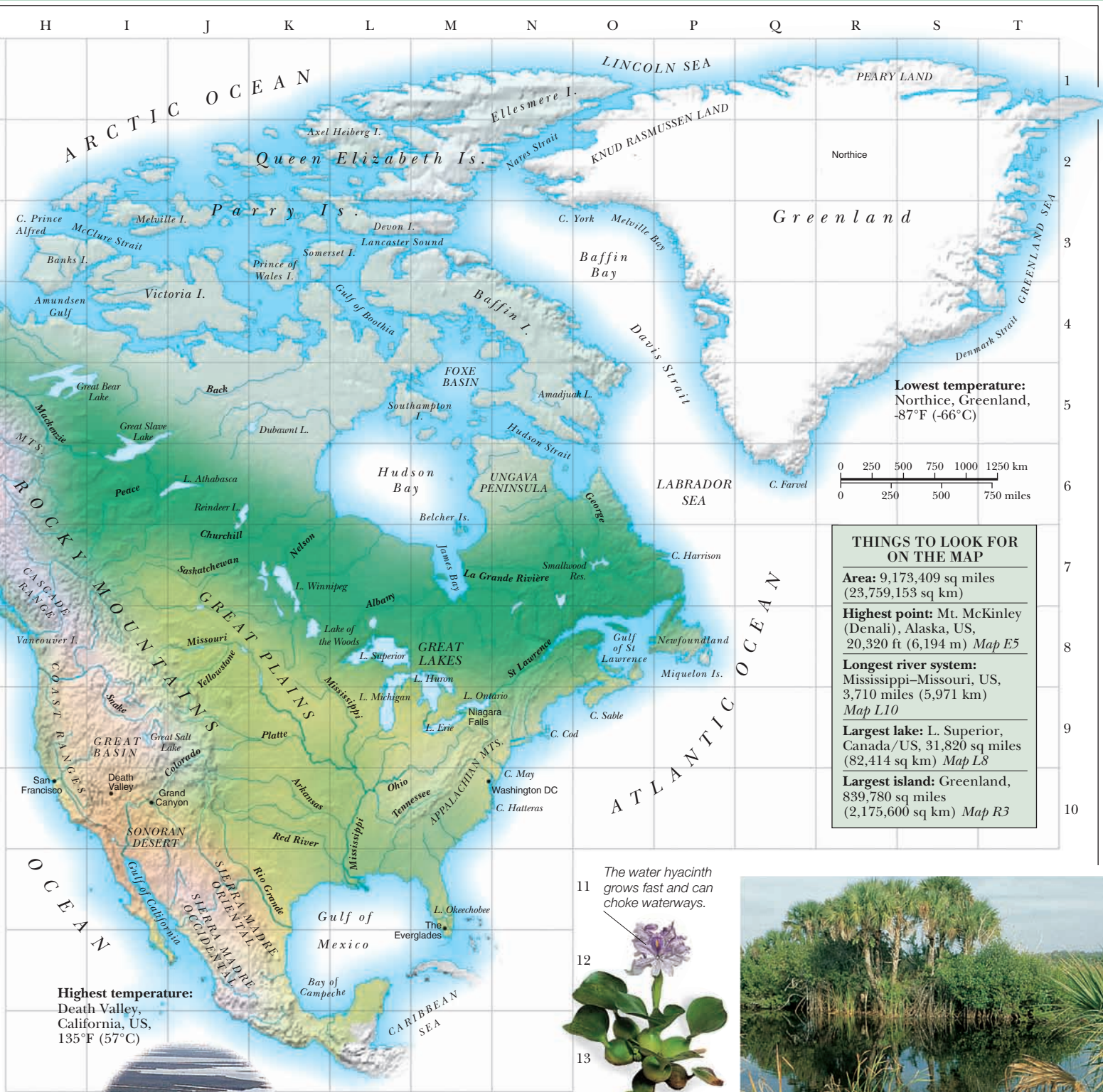
Across the center of Canada and the US lie the Great Plains, also called the prairies. This huge area has hot summers and cold, snowy winters. Trees are rare except along rivers and lakeshores, but the region was once covered with grasses grazed by millions of buffalo. Today, little natural prairie survives, and in its place farmers cultivate vast fields of corn and wheat.



THE GREAT LAKES

Estimated to contain one-fifth of the world's freshwater, the five Great Lakes straddle the border between Canada and the US. Only Lake Michigan, shown left, lies entirely within the US. The lakes are linked by waterways and drained by the St. Lawrence River, which empties into the Atlantic Ocean. The Niagara River, which joins lakes Erie and Ontario, passes over the famous Niagara Falls.



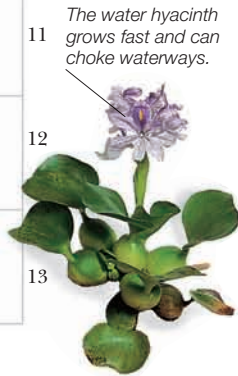


Highest temperature:
Death Valley,
California, US,
135°F (57°C)



THE MISSISSIPPI RIVER

The great Mississippi flows from Minnesota to the Gulf of Mexico. At the turn of the last century, the destruction of forest and the plowing of prairies around the river basin caused severe soil erosion. Soil washed into the river, raised the water level, and caused floods. Replanting forests and building dams has helped control the flow, but exceptionally heavy rains still cause floods.



The water hyacinth grows fast and can choke waterways.



THE EVERGLADES

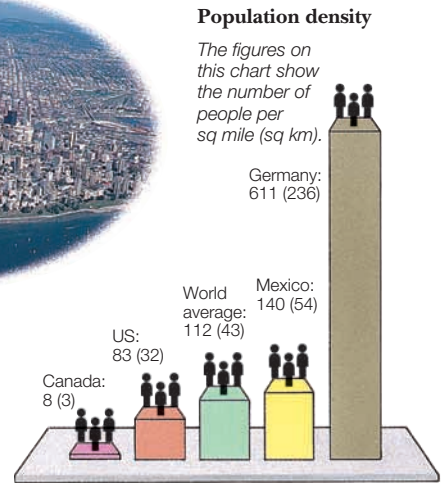
Florida's Everglades are a protected wetland habitat, home to many rare plants and animals. Originally covering a much larger area, part of the Everglades has been drained and used for the cultivation of sugarcane. The northern part of the surviving wetland is now a sawgrass prairie, covered by shallow water with islands of higher land. In the south, freshwater mixes with water from the sea, creating salt marshes fringed by mangrove swamps.

PEOPLES OF NORTH AMERICA

ONCE POPULATED BY TRIBES of native peoples who lived off the land, the vast majority of North America's population now consists of immigrants who arrived over the last 400 years. Today, in terms of both population and economic wealth, the continent is dominated by the US, the richest country in the world. To the north, Canada covers a vast area, but much of it is cold and inhospitable, and so it has a much smaller population. Both countries were once British colonies and are still mostly English speaking. In contrast, Mexico is Spanish speaking, reflecting its past as a Spanish colony. Mexico is a relatively poor country, despite its vast oil and gas reserves.



The population of Vancouver, in western Canada, has grown dramatically in recent years as people have moved there from Hong Kong and other parts of Asia.



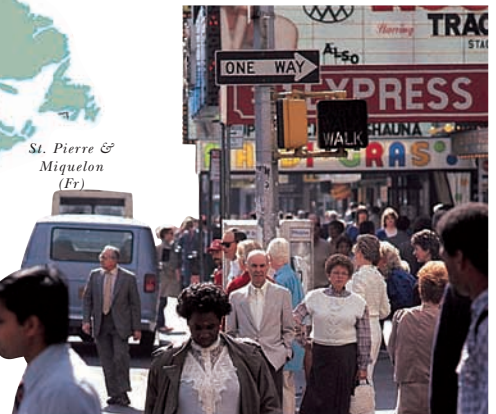
POPULATION DISTRIBUTION

In general, North America is one of the most sparsely populated continents. Over two-thirds of the population lives in the US. Mexico has the next largest population, followed by Canada. Historically, the eastern US has been the most densely populated area, but in the past few decades, many people have moved to the warmer southern and western states. In Canada, people have also left the east coast for the Great Lakes and cities such as Toronto, or for west coast cities such as Vancouver.

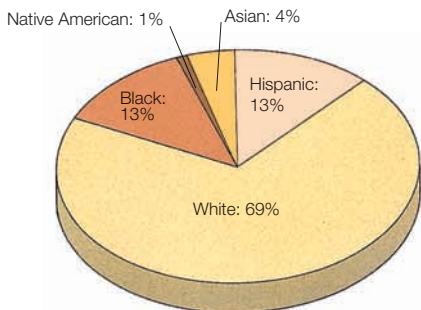


Greenland (Den)

These people in New York City reflect the many different ethnic groups that make up the population of the US.



Population of the US



PEOPLE OF THE US
The US is often known as a cultural "melting pot" because of all the different peoples that make up its population. The main groups are whites (people of European descent) Hispanics, blacks, Asians, and native peoples.

A CONTINENT OF IMMIGRANTS

There have been many waves of immigrants to North America, mostly from Europe, but from South America and Asia, too. Not everyone chose to go. Today's black Americans are descended from African slaves who were forced to the US between 1619–1808 to work on plantations. Slavery was not abolished in the US until 1865. Today, African Americans are a vital part of American culture, from politics to sports.

CANADIAN CULTURE

Canadians often display their distinctive maple-leaf flag outside their homes. They are very proud of their country with its wide open spaces, lakes, mountains, and extensive national and provincial parks. But there is always the issue of US entertainment and culture flooding across the border and dominating the Canadian identity. To encourage Canada's own cultural development, the government gives grants to the arts, and the broadcasting, publishing, and film industries.



This Canadian "patriotic workshop" is painted in the colors of the country's flag.



GOOD NEIGHBORS

There has not been a war between the countries of North America for nearly 150 years. Recently, Canada, the US, and Mexico agreed to abolish trade barriers and open their markets to each other's exports. The full effects of this agreement are yet to be discovered, but Mexican workers like these farmers have already lost out, as cheaper US food and goods have flooded into Mexico. By contrast, cheaper food can benefit the poor.



This Mayan family is cooking tortillas.

NATIVE PEOPLES

Native Americans are the descendants of people who probably migrated from Asia via a land bridge across the Bering Strait about 20,000 years ago. Today, native peoples form only a small proportion of the population of the US and Canada. In the US, many Native Americans were moved onto special reservations in the 19th century as settlers took over their lands. In Mexico, native peoples, like these Maya, form about 30 percent of the population and are spread throughout the country.



This building in the city of Sacramento is home to the government of the state of California

EUROPEAN SETTLERS

Europeans have been settling in the US and Canada since the 16th century, but in the 19th century, immigrants began to flood in. They were often driven from Europe by economic hardship, political unrest, and religious persecution. North America was seen as a land of opportunity, where there was plenty of cheap land and people were promised freedom. The first immigrants settled on the east coast, but began to move northeast in the 1800s as industry began to grow.



State government	Federal government
Education	Foreign policy
Highways	Currency
Housing	Health care
State police	National parks

In the US, local matters, such as police, hospital, and highway services, are taken care of by individual states. Matters that affect all the states, such as foreign policy, defense, and issuing currency, are dealt with centrally.

FEDERAL GOVERNMENTS

All three countries in North America have federal systems of government. This means that each country is divided into a number of states or provinces. These make their own local laws and also have representatives in the national government. Tension sometimes develops between the interests of the individual states or provinces and the interests of the country as a whole. In Canada, for example, a strong independence movement has grown up in the French-speaking province of Québec.



CANADA

THE SECOND LARGEST COUNTRY in the world, Canada occupies two-fifths of the North American continent, stretches across five time zones, and is divided into 10 provinces and three territories. It was once inhabited only by native peoples including the Inuit. The French were the first Europeans to settle in Canada, but after years of fighting the British gained control in 1763. Gradually they took over the rest of the country, as pioneers and settlers moved west and north. Today, Canada is an important industrial nation and one of the world's richest countries. Most of its manufacturing is based on the natural resources of wood, metals, and mineral fuels.

CANADA	
Capital city:	Ottawa
Area:	3,855,081 sq miles (9,984,670 sq km)
Population:	31,500,000
Official languages:	English, French
Major religions:	Christian 83%, other 17%
Government:	Multiparty democracy
Currency:	Canadian dollar
Adult literacy rate:	99%
Life expectancy:	79 years
People per doctor:	476
Televisions:	715 per 1,000 people



OTTAWA

Ottawa, which is named after the native people who used to live in the area, was chosen as Canada's capital city in 1857 by Queen Victoria of Britain. Today, the city boasts many magnificent copper-roofed government buildings, museums, and art galleries, and a park-lined canal that turns into the world's longest skating rink once the winter freeze sets in.

Canadian vegetation zones



THE CHANGING LANDSCAPE

About one-third of Canada lies within the Arctic Circle and can remain frozen for up to nine months of the year. In these cold northern areas, known as the tundra, any vegetation is limited to lichens, grasses, and small shrubs and trees. Farther south, large areas of land are covered by dense coniferous forests known as taiga. Toward the border with the US lie the mixed, temperate forests and the grasslands of the prairies.



WHERE PEOPLE LIVE

Canada is such a large country, much of it uninhabitable, that on average there are only eight people living in each square mile (three per square kilometer). Around three-quarters of the population lives near the US border, in towns and cities around the shores of the Great Lakes and along the St. Lawrence River. The rest live in fishing villages along the coasts or on farms and villages inland.



PEOPLE OF CANADA

Until quite recently, most Canadians were descendants of British or French settlers. Most of the French, like those at the winter carnival shown here, live in Québec province. Germans and Italians are also large ethnic groups but, recently, increased numbers of people have come from eastern Europe, South America, and Southeast Asia. Native peoples make up less than 3 percent of the population.



CALGARY STAMPEDE

Every year since 1923, thousands of people have flocked to Calgary for the famous Calgary Stampede. People dress up cowboy style and celebrate the old Wild West and Alberta's origins as a cattle trading center. Attractions include a rodeo, complete with bucking broncos.

THE FIRST CANADIANS

Native peoples, including the Inuit, are sometimes called Canada's "First Nations" because they lived in Canada long before European settlers arrived and took over their lands. Since 1970, the government has tried to draw these peoples into Canadian society, but many prefer their own culture and traditions. Across Canada colorful ceremonies and festivals demonstrate their proud spirit. Recently, First Nations have begun to win battles for their rights to ancestral lands. In 1999, the Nunavut area in the Northwest Territories became a self-governing Inuit territory, the first part of Canada to be governed by native Canadians in modern history.

The Inuit live in such cold conditions that they depend on warm clothing for survival.

Traditional Inuit jacket, called a parka

Insulated boots keep feet warm in freezing winter weather.



Caribou fur is used by the Inuit since it traps warm air between each of the hairs.



JAMES BAY

In 1971, construction began on a vast hydroelectric project to dam the rivers that flow into James Bay and Hudson Bay, generating electricity for use in Canada and the US. However, the project threatened thousands of Cree Indians who live in this region. An agreement was reached in 1975 that led to the finishing of the project, and special compensation for the Indians.



CANADIAN PACIFIC RAILWAY

The last spike of the transcontinental rail link of the Canadian Pacific Railway was pounded in at Eagle Pass, British Columbia, on November 7, 1885. It was the start of a new era for Canada, opening up the west for trade and settlement, and finally making the vast country seem like one nation. One of the railroad's most amazing engineering feats is a spiral tunnel-road drilled into the Rocky Mountains. Curving steadily around, the tunnel rises for more than 3,000 ft (914 m). In spite of quicker alternatives, tourists often take the spectacular trip across Canada by train. However, the railroad is mostly used for cargo.



Zinc can be galvanized onto steel to prevent it from rusting.



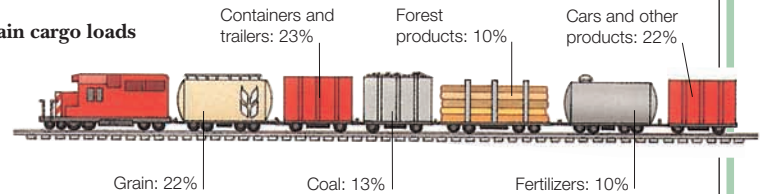
Nickel can be mixed with other metals to make jet engines.

MINERAL WEALTH

Most of Canada's wealth comes from its abundance of natural resources, many of them mineral. It is the world's largest producer of uranium, zinc, and nickel, and also has reserves of aluminum, gold, copper, and silver.

Underground work has begun on what are thought to be some of the world's richest diamond deposits in an area near Yellowknife in the Northwest Territories.

Main cargo loads



AGRICULTURE

Wheat and cattle farming dominate Canada's main farming area, the prairies. Elsewhere, a wide variety of fruits and vegetables are grown. Apples, shown growing here in British Columbia, are the country's most important fruit crop. Between lakes Ontario and Erie lies the Niagara fruit belt. The lakes protect this area from the worst of Canada's weather, making it the ideal place for growing tender fruits such as pears, plums, peaches, and cherries.



Find out more

DIAMONDS: 150, 226, 248
 EARLY SETTLERS: 23, 31
 INUIT: 266
 VEGETATION ZONES: 15

COPING WITH THE COLD

Winters are long and cold throughout Canada but when the first snow falls, snow plows and salt trucks are out making sure the roads are safe. Next to some parking places there are even electric outlets where drivers can plug in heaters to keep their car's engine warm. During winter people can play hockey on frozen lakes and ponds. Skiing and snowboarding are also popular winter sports.



Snow plows clear the roads to make them safe.



VANCOUVER

Situated between the mountains and the sea, Vancouver is an attractive city and an industrial center, as well as a busy port. Its ice-free harbor provides Canada with year-round access for trade with Asian countries across the Pacific Ocean. Many Chinese families settled here rather than staying in Hong Kong when it reverted to China in 1997.

WESTERN CANADA

A WEALTH OF NATURAL RESOURCES first attracted European settlers to the wilds of western Canada. Fur trappers, gold prospectors, and loggers all hoped to make their fortune from the land. Today, natural resources are still the basis of the economy. The fertile soils of the prairie provinces of Alberta, Manitoba, and Saskatchewan make up four-fifths of Canada's farmland. Fishing is a major industry along the Pacific coast, where the main catch is salmon, most of which is canned for export. By contrast, the remote Yukon, Northwest, and Nunavut territories have important reserves of gold, zinc, and lead. These territories are also the only part of Canada where the native peoples form the majority of the population.



At the sawmill the lumber is cut into planks or pulped for papermaking.

Logs may be floated downriver from the forests to the sawmills in the form of huge rafts.

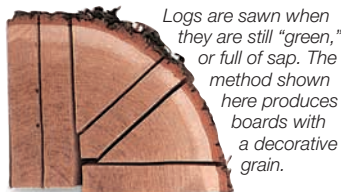


The most used softwood trees are spruce, shown left, then pine and fir.

The most used hardwood trees are poplar, then birch, shown right, and maple.

LUMBER INDUSTRY

Moist winds from the Pacific Ocean deposit rain on the western slopes of the Rocky Mountains, making conditions ideal for trees to grow to enormous sizes. Canada is the world's largest exporter of forest products, and the province of British Columbia produces almost half of Canada's lumber. Some logs are still floated to the sawmills, but today logs are often transported by road or helicopter. Most of the lumber is softwood, used for building materials as well as for chopsticks for Japan.



Logs are sawn when they are still "green," or full of sap. The method shown here produces boards with a decorative grain.

TOTEM POLES

For generations, native peoples of the northwestern coast carved wooden totem poles to record their family trees. Part of a pole shows which of the main clans a family belongs to, such as the raven or the wolf clan. Totem poles often guarded doorways to village homes.



The animals carved on the totem pole are symbols of the family's ancestors.



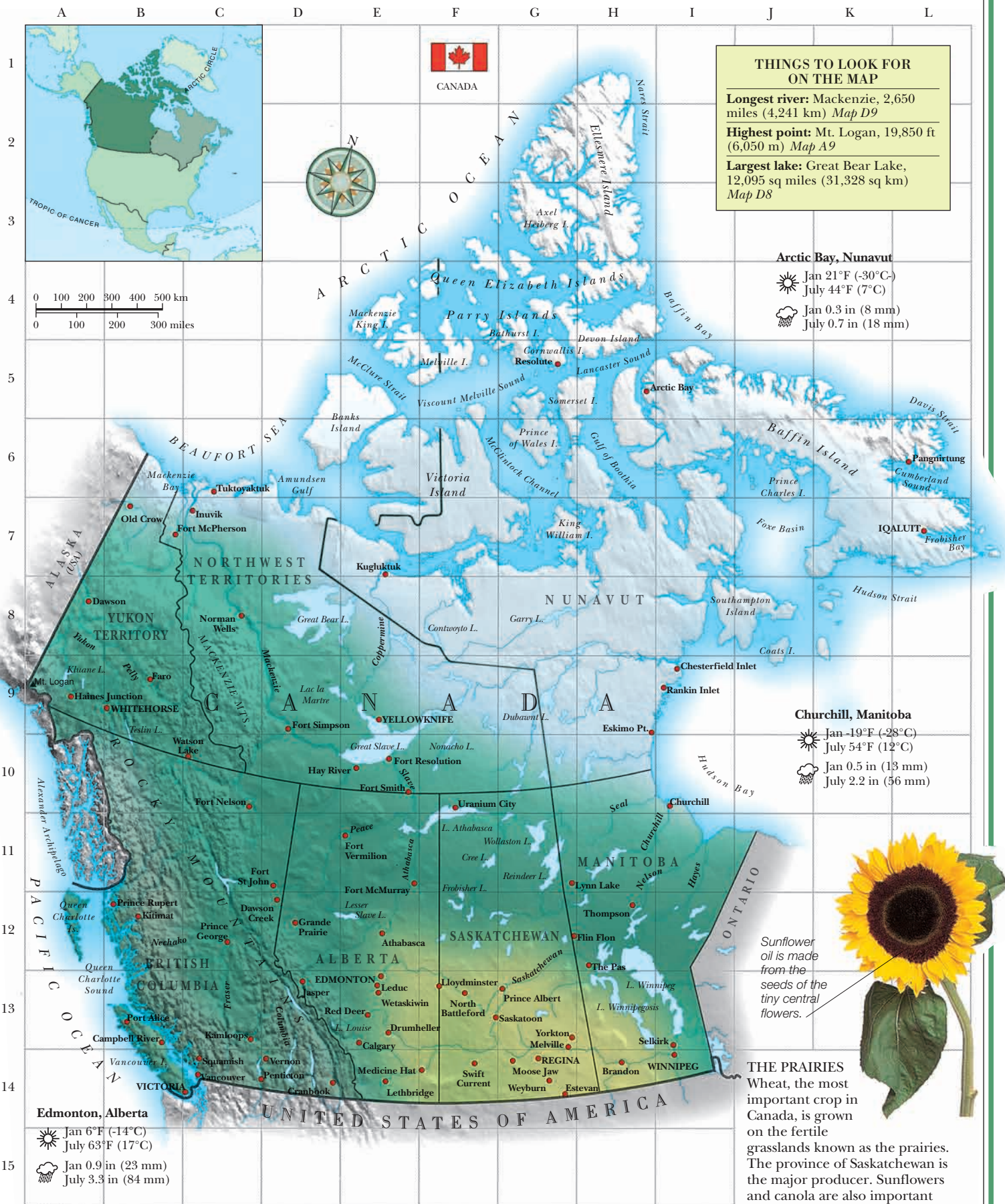
LIVING IN THE WILD

Large parts of the extreme north of Canada are home to more animals than people. Although part of the area is forested most of it is icy wilderness known as tundra. Animals that live here are adapted to the very cold conditions, and waterproof fur helps them to survive the snow and ice. Caribou, or reindeer, live on the tundra but migrate to the forests farther south in winter to escape the cold. Grizzly bears are found in the Rocky Mountains and can be dangerous.

COAL, OIL, AND GAS WEALTH

Once grain and beef processing centers for the prairies, Edmonton and Calgary grew rich during the 1970s from the coal, oil, and gas found in the prairies and nearby Rocky Mountains. Now Edmonton boasts a gigantic shopping mall with a hockey rink, a swimming pool, a rollercoaster, and a hotel where people can stay during a shopping trip.





THINGS TO LOOK FOR ON THE MAP

Longest river: Mackenzie, 2,650 miles (4,241 km) *Map D9*

Highest point: Mt. Logan, 19,850 ft (6,050 m) *Map A9*

Largest lake: Great Bear Lake, 12,095 sq miles (31,328 sq km) *Map D8*

Arctic Bay, Nunavut

☀ Jan 21°F (-30°C)
July 44°F (7°C)

☁ Jan 0.3 in (8 mm)
July 0.7 in (18 mm)

Churchill, Manitoba

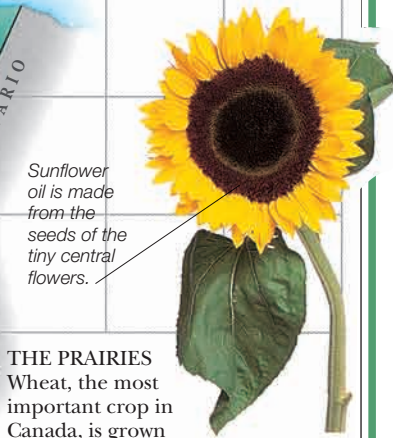
☀ Jan -19°F (-28°C)
July 54°F (12°C)

☁ Jan 0.5 in (13 mm)
July 2.2 in (56 mm)

Edmonton, Alberta

☀ Jan 6°F (-14°C)
July 63°F (17°C)

☁ Jan 0.9 in (23 mm)
July 3.3 in (84 mm)



Sunflower oil is made from the seeds of the tiny central flowers.

THE PRAIRIES
Wheat, the most important crop in Canada, is grown on the fertile grasslands known as the prairies. The province of Saskatchewan is the major producer. Sunflowers and canola are also important crops, grown to make cooking and industrial oils as well as animal feed.

EASTERN CANADA

SOME OF THE RICHEST AND POOREST areas of Canada are found within the eastern part of the country. The provinces of Ontario and Québec that lie around the Great Lakes and the St. Lawrence River form Canada's wealthy industrial region and contain most of the population. Canada's capital, Ottawa, and other major cities, including Toronto and Montréal, are in this region. At the end of Lake Erie, on the border with the United States, is Niagara Falls, one of the main tourist attractions in the region. The Atlantic, or maritime, provinces along the stormy east coast have few natural resources and are suffering from a decline in the fishing industry, but enjoy a distinctive culture, and a rugged coastline and landscape.



TORONTO

On the north shore of Lake Ontario lies Toronto, Canada's leading industrial city, financial capital, and fastest growing urban area. The city has a reputation for being safe, with the lowest crime rate of any major city in North America. It also boasts the SkyDome, the first stadium with a retractable roof, and the Canadian National (CN) Tower, the world's second tallest free-standing structure.

ST. LAWRENCE SEAWAY

Completed in 1959, the Great Lakes-St. Lawrence Seaway system made it possible for ships to travel 2,342 miles (3,769 km) from the industrial center of North America to the Atlantic Ocean. Ships carrying cargoes of grain, lumber, iron ore, and coal descend 600 ft (183 m) from Lake Ontario to sea level through a system of locks. Tolls are charged for ships that use the system. The Seaway is closed due to ice for four months during the winter.



HOCKEY

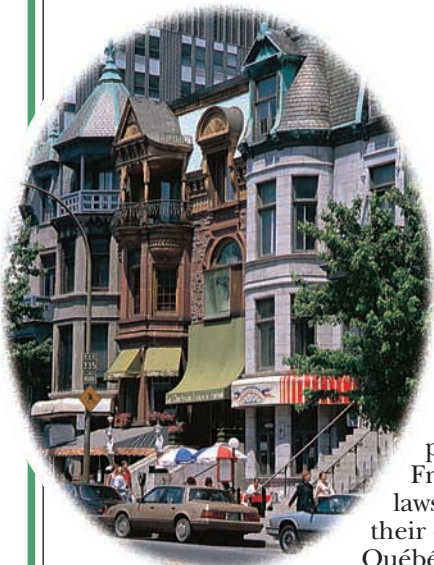
Canadians take advantage of long winters by playing hockey on frozen lakes and ponds, as well as community ice rinks. Hockey is the world's fastest team game, with the puck moving at speeds of up to 118 miles (190 km) per hour. It can get rough, and the action stops frequently, when players are sent to sit out penalties in the "sin bin."



GOLDEN HORSESHOE

Canada's leading industrial region, known as the Golden Horseshoe, curves around the western end of Lake Ontario, from the car-industry center of Oshawa, through Toronto and Hamilton and on to Niagara. Its location makes it easy to move products by water, by railroad, and by road via a major highway called the Queen Elizabeth Way (QEW). Plentiful job opportunities attract people here and they earn some of the highest incomes in Canada.

-  Car assembly
-  Steelworks
-  Shipbuilding
-  Aircraft assembly
-  Finance
-  Fruit canning



QUÉBEC

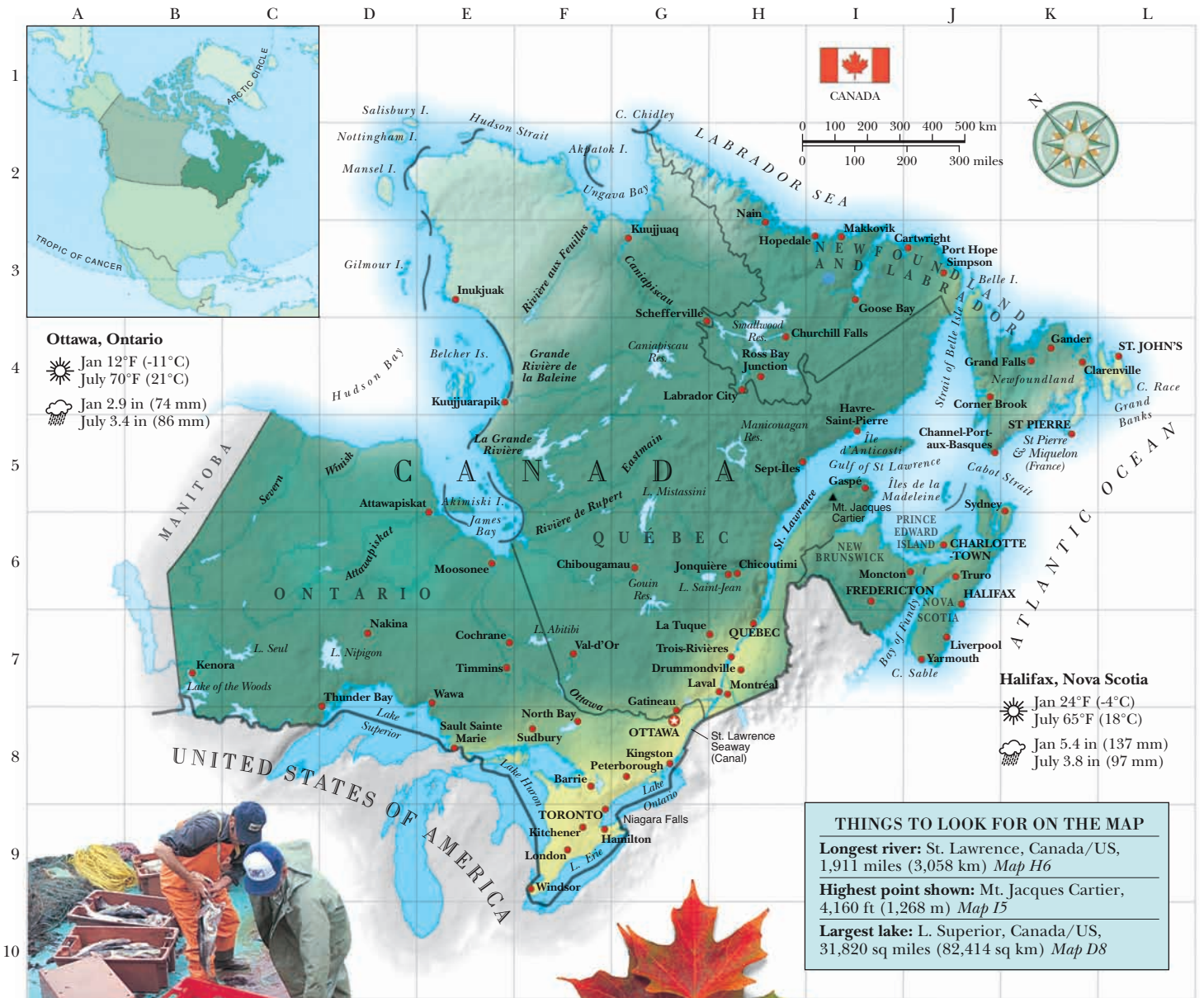
In 1608, Frenchman Samuel de Champlain set up a fur trading post on the St. Lawrence River at a place the native peoples called Kébec. By 1763, the French settlements had been taken over by the British. Under British control, the province grew into a major commercial center. Today, over 80 percent of Canadians whose native language is French live in the province of Québec. Although laws guarantee the right of French Canadians to their own language, laws, and culture, some Québécois want to separate from the rest of Canada.



Cranberries are used to make juice, sauces, and syrups.

CRANBERRIES

Along the coast of New Brunswick the land is marshy and ideal for growing cranberries. The plants are grown in bogs and the ripe berries are collected by hand or by special machines that scoop the fruit from the water. Berries are ready to pick in September or October.



Ottawa, Ontario
 ☀ Jan 12°F (-11°C)
 ☀ July 70°F (21°C)
 ☁ Jan 2.9 in (74 mm)
 ☁ July 3.4 in (86 mm)

Halifax, Nova Scotia
 ☀ Jan 24°F (-4°C)
 ☀ July 65°F (18°C)
 ☁ Jan 5.4 in (137 mm)
 ☁ July 3.8 in (97 mm)

THINGS TO LOOK FOR ON THE MAP	
Longest river: St. Lawrence, Canada/US, 1,911 miles (3,058 km) <i>Map H6</i>	
Highest point shown: Mt. Jacques Cartier, 4,160 ft (1,268 m) <i>Map I5</i>	
Largest lake: L. Superior, Canada/US, 31,820 sq miles (82,414 sq km) <i>Map D8</i>	



FISHING
 The Grand Banks area off Newfoundland is one of the world's richest fishing grounds. In recent years, the seas in this region have been overfished, and there are now limits on how much can be taken from the sea. These restrictions have seriously affected the people of Newfoundland, who rely on fishing to make a living.



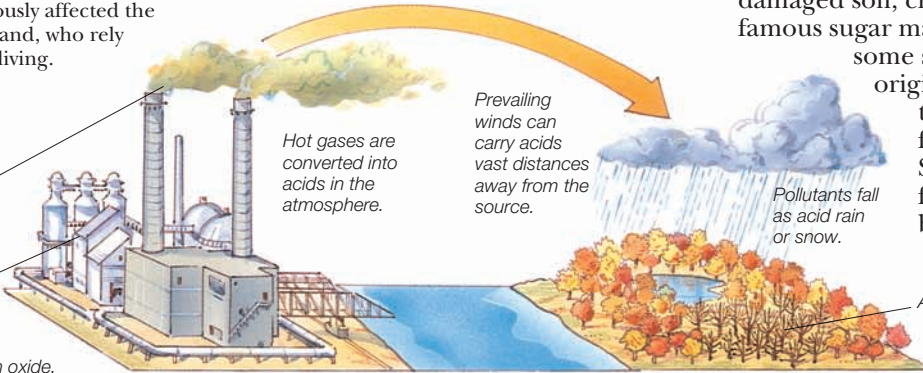
MAPLE TREES
 Canada produces 75 percent of the world's maple syrup. Each March the sap of the sugar maple tree is collected and boiled down into syrup. The maple leaf is the national symbol of Canada.

ACID RAIN

Acid rain is a problem in eastern Canada because many of the water and soil systems in this region are not alkaline and so cannot neutralize acid naturally. Acid rain has affected freshwater supplies and killed fish, and has damaged soil, crops, buildings, and the famous sugar maple trees. Although some sources of acid rain originate in Canada, many of the problems come from factories in the United States, where chemical fumes are carried north by the wind.

How acid rain occurs

Fumes are pumped into the atmosphere as waste matter.
 Power plants and factories produce sulfur dioxide. Also, exhaust from cars and trucks produces nitrogen oxide.



UNITED STATES OF AMERICA



UNITED STATES OF AMERICA

Capital city: Washington, DC
Area: 3,717,792 sq miles (9,626,091 sq km)
Population: 294,000,000
Official language: English
Major religions: Christian 86%, Jewish 2%, Muslim 2%, other 10%
Government: Multiparty democracy
Currency: Dollar
Adult literacy rate: 99%
Life expectancy: 77 years
People per doctor: 370
Televisions: 847 per 1,000 people

IN LESS THAN 400 YEARS, the United States of America (USA) has grown from wild countryside inhabited by native peoples to the world's most powerful industrial nation. The country is made up of 50 states, including Alaska in the far north and Hawaii in the Pacific Ocean. There are two major mountain ranges, the Appalachians to the east and the Rockies to the west, while much of its center is covered by the gently sloping Great Plains. Vast supplies of coal, oil, and minerals, together with mass immigration in the 19th and early 20th centuries, helped business and industry grow fast. Today, American products and culture are recognized throughout the world.



STARS AND STRIPES
 On the US flag, the stars stand for the 50 modern states, while the stripes represent the original 13 colonies on the East Coast. Until independence in 1776, these were governed by Britain. Today, each state has its own laws but is ruled by the national government in Washington, District of Columbia.

PEOPLE OF THE US

People in the US belong to a wide range of different groups and races. Most are descended from immigrants – people who moved there from other parts of the world, such as Europe and Asia. Many African-Americans are descendants of slaves forced to the US in the 17th, 18th, and early 19th centuries. Today, the population is increasingly Hispanic (Spanish speaking), Asian, and African-American. By 2050, these groups will make up almost half the population.



This girl has a mother who is part Hawaiian and part Korean.

This child has Japanese parents who moved to the US during the 1970s.

African-Americans now make up 13 percent of the population.



WORLD LEADER

The US is the world's richest country, and its leading products include iron and steel, lumber and paper products, electronic equipment, cars, and aircraft, shown above. These industries create many jobs, and women now make up almost half of the country's total workforce.

LIVING IN THE CITY

Almost 80 percent of Americans live in cities or the surrounding suburbs. Most people who live in the suburbs own their own homes and travel to work by car. New York is the biggest city, with more than 22 million inhabitants, followed by Los Angeles, and then Chicago. People from different backgrounds mingle in most cities. Often they have their own neighborhoods, with names such as Little Italy or Chinatown. This view shows midtown Manhattan, New York.

As cities became more crowded, and land more expensive, architects began to design taller and taller buildings where people could live and work.

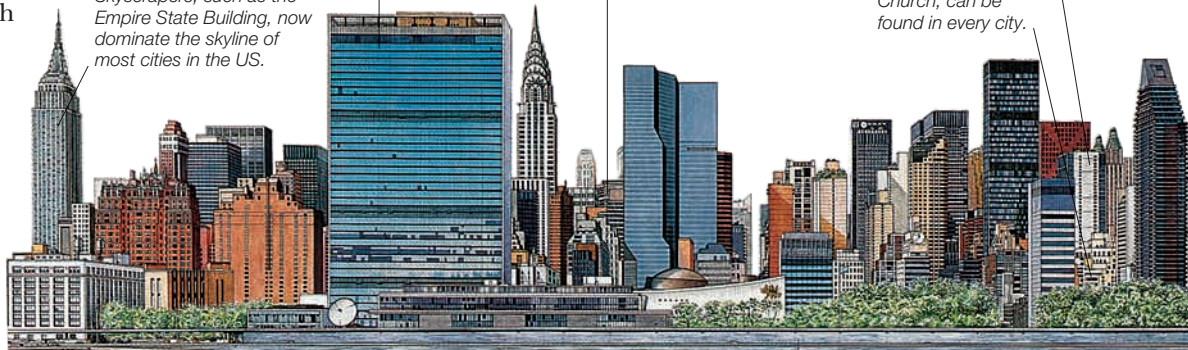
Every day, half a million people use Grand Central Station to get to work.

Many US cities are laid out on a simple grid system where main roads, or avenues, run north to south, and streets run east to west.

Americans live in a variety of homes – single-family homes, townhouses, and high-rise apartment buildings.

Places of worship, like the Holy Family Church, can be found in every city.

Skyscrapers, such as the Empire State Building, now dominate the skyline of most cities in the US.



MOVING WEST

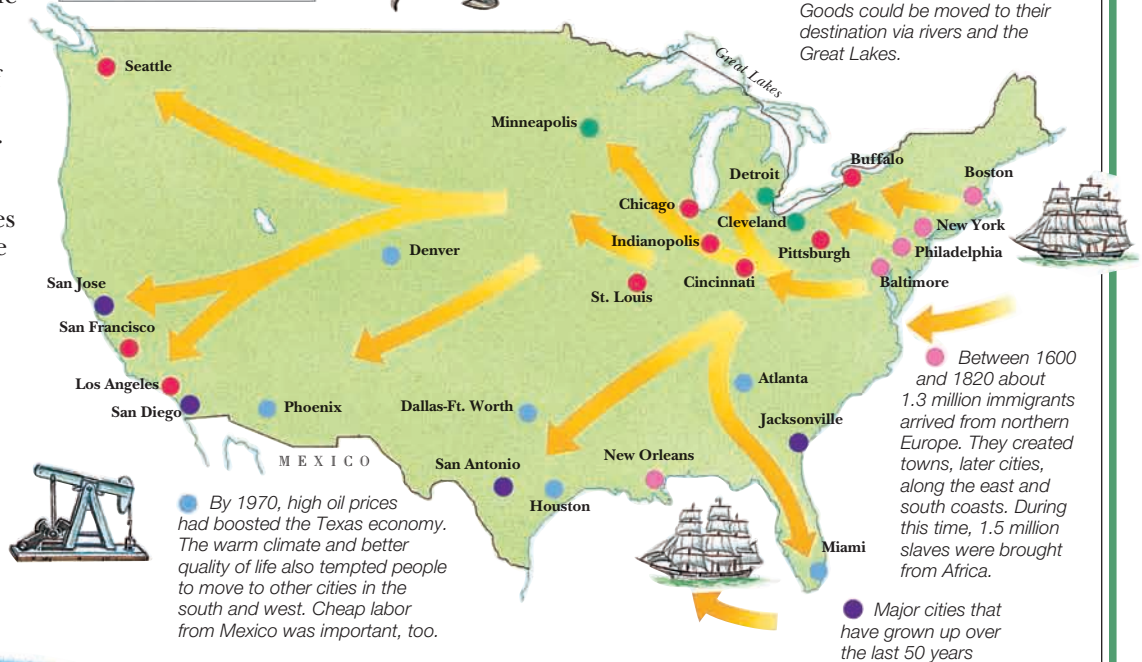
The population of the US has always been mobile, moving to new states in search of work or a better lifestyle. Major events, such as the Great Depression in the 1930s, also forced people to move in the hope of finding work. The general pattern of movement since settlers first arrived is shown on this map. Over the past 30 years or so, more and more people have moved to the “Sun Belt” states of the South and West. These include California, Arizona, Texas, and Florida.



● During the mid-1800s, the prospect of finding gold and the spread of the railroads lured people west. By 1920, the aircraft and film industries attracted people to Seattle and Los Angeles.



● By 1870, the rapid growth of industry had attracted people to the northeast in search of work. Goods could be moved to their destination via rivers and the Great Lakes.



NATIONAL PARKS

Large areas of the country’s most spectacular countryside are protected in more than 350 national parks. Yellowstone National Park, in Wyoming and Montana, was the first park to open, in 1872. Yellowstone provides a safe environment for animals, including bison, elk, antelope, grizzly bear, moose, and deer.

BASEBALL

Baseball is the country’s national sport. The first game played between two organized teams took place in New Jersey in 1846. The National League was formed in 1876, the American League in 1901, and today baseball is the most popular spectator sport in the US. It is traditional for the president to pitch the first ball at the start of each new baseball season.



This Zuni artist, a member of the Pueblo tribe, makes and sells silver and turquoise jewelry.

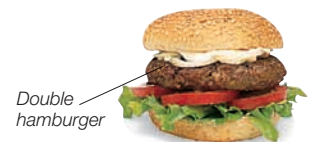
THE FIRST AMERICANS

Native Americans, the first inhabitants of the US, today make up less than 1 percent of the population. When Europeans arrived in the 1500s, Native American tribes were decimated by disease. They lost many of their homelands and were forced over time to live on reservations – land allotted to them by the government. Despite these hardships, many tribal traditions and languages still survive.

LARGEST TRIBES	
Cherokee	308,000
Navajo	219,000
Chippewa	104,000
Sioux	103,000
Choctaw	82,000
Pueblo	53,000

AMERICAN CULTURE

The influence of US culture can be seen all over the world. Fast foods, such as hamburgers, hot dogs, and soft drinks, as well as characters from films and TV shows, are recognized in cities from Berlin to Beijing. This “selling of America” is a billion-dollar industry and plays a vital part in the US economy.



Find out more
 NATIVE PEOPLES: 22–23
 SETTLING THE CONTINENT: 23, 24–25
 US GOVERNMENT: 23, 270

US: WESTERN STATES

FROM THE ICY LANDSCAPE OF ALASKA, through the deserts of Nevada and Arizona, to the semitropical islands of Hawaii, the western states cover a dramatic range of scenery. Along the West Coast, large cities such as Seattle, Portland, and San Francisco ship lumber, fish, and fruit all over the world. The West is also home to Hollywood, capital of the multimillion dollar movie industry, and Silicon Valley, a stretch of northern California that lies at the heart of the high-tech computer business. Sun Valley, in Idaho, ranks as one of the country's leading ski and summer resorts.



THE NORTHERN FORESTS
Great forests of pine, cedar, and fir trees thrive in the wet climate near the coasts of Oregon and Washington. These states are the country's major suppliers of lumber and wood pulp. The trees are cut into logs and transported by road to the coast. Environmental groups are now trying to protect the trees, many of which are more than 200 years old.

EARTHQUAKE COUNTRY

People in California have to live with the constant threat of earthquakes. The area lies on the boundary, or fault line, between two plates of the Earth's crust. When these plates push and slide against each other, it causes earthquakes, which can destroy roads and homes. It is difficult to predict an earthquake, so most people keep a survival kit in case they are trapped or left without supplies. Some of the items included in such a kit are displayed here.

FAULT LINES
The San Andreas Fault runs for 750 miles (1,207 km) across California, passing through the cities of San Francisco and Los Angeles. There are also hundreds of other smaller faults that constantly cause minor tremors.

- Major fault
- Minor faults



Heavy-duty flashlight

Packet of pure drinking water



Lightweight bag of emergency items, including first-aid supplies (not shown)

Bar of dried food with vitamins

Mini rolls of toilet paper

Towelette

Disposable toothbrush with toothpaste

Light sticks work for 12 hours and do not need batteries.

Emergency blanket designed to reflect body heat



CAR CULTURE
When Henry Ford introduced the first cheap car in 1910, it promised freedom on the open road. Today, there are more cars on the road in the US than in any other country. Networks of six-lane highways weave across cities such as Los Angeles, shown above. Fumes from the cars contribute to city smog problems.



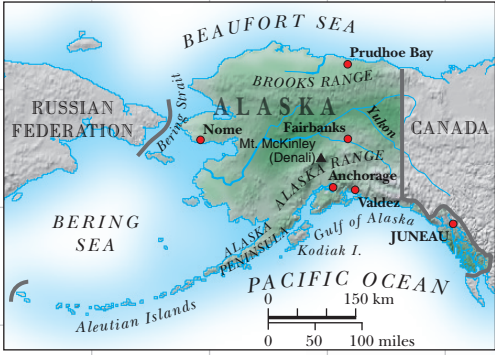
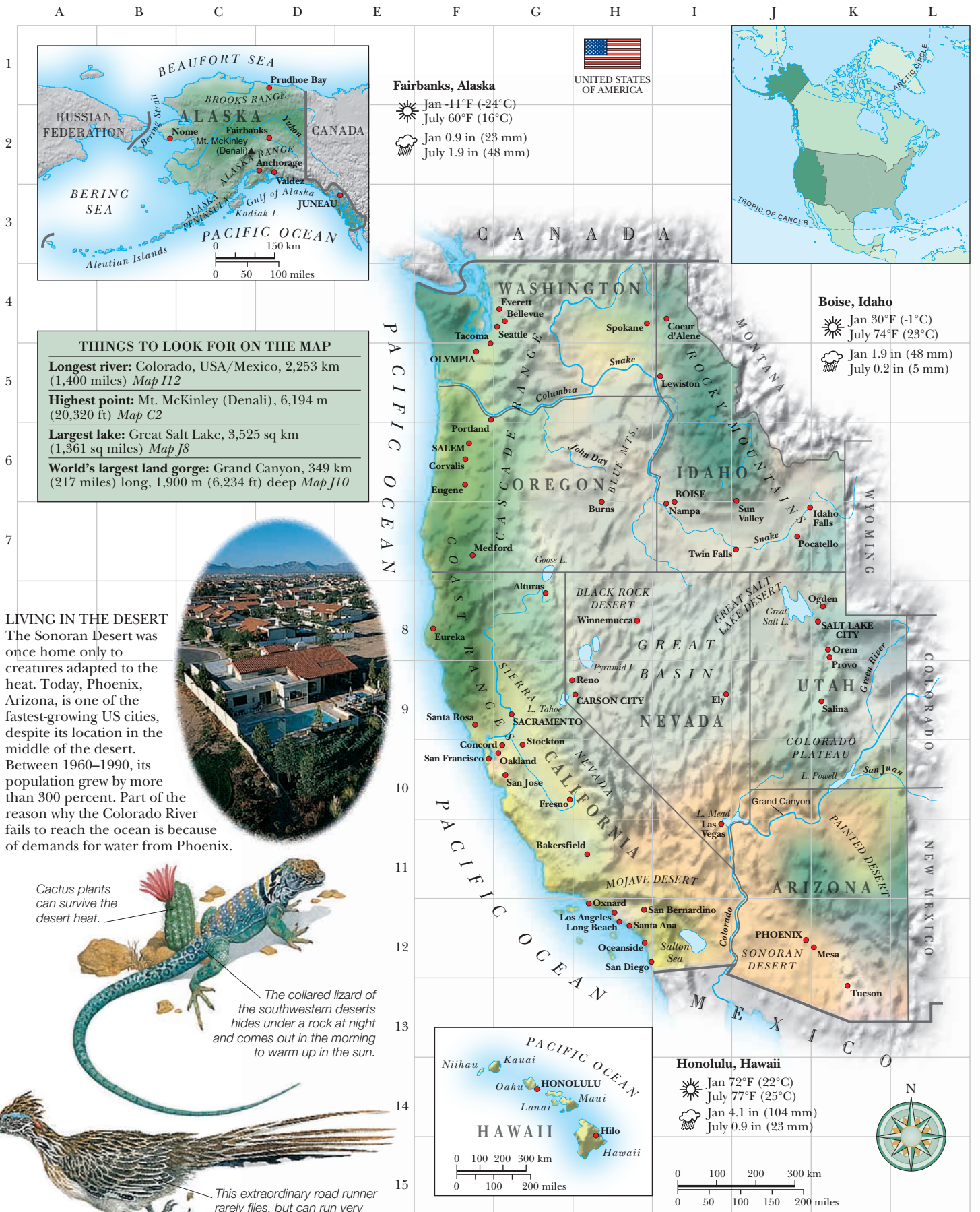
SOUTH OF THE BORDER
The majority of immigrants living in the western states come from nearby Mexico. They are called Hispanics because their ancestors came from Spain and they speak Spanish. Many still follow the religion and festivals of Mexico. Hispanics also arrive from Cuba, Puerto Rico, and El Salvador.

FIELDS OF PLENTY

Fertile soil, plenty of sunshine, and water, diverted from rivers that flow from the Sierra Nevada Mountains, make California the leading agricultural state. The land is used to grow more than 40 percent of the fresh fruit and vegetables eaten in the US, such as peaches, oranges, and strawberries, as well as artichokes and brussels sprouts. Mexicans often cross into the country illegally to find work on the fruit farms. The Napa Valley, north of San Francisco, is an important grape-growing and wine-producing area.



CARS PER 100 PEOPLE		
US		77
France		47
Denmark		35
Brazil		14
India		0.7



Fairbanks, Alaska
 ☀ Jan -11°F (-24°C)
 ☀ July 60°F (16°C)
 ☁ Jan 0.9 in (23 mm)
 ☁ July 1.9 in (48 mm)



UNITED STATES OF AMERICA



THINGS TO LOOK FOR ON THE MAP

Longest river: Colorado, USA/Mexico, 2,253 km (1,400 miles) *Map I12*

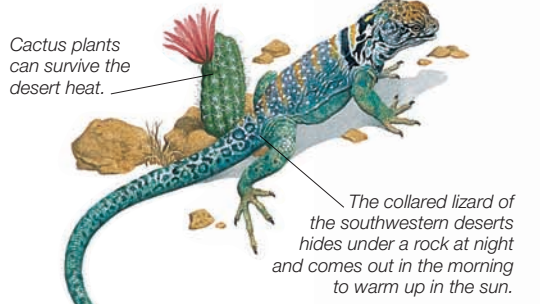
Highest point: Mt. McKinley (Denali), 6,194 m (20,320 ft) *Map C2*

Largest lake: Great Salt Lake, 3,525 sq km (1,361 sq miles) *Map J8*

World's largest land gorge: Grand Canyon, 349 km (217 miles) long, 1,900 m (6,234 ft) deep *Map J10*

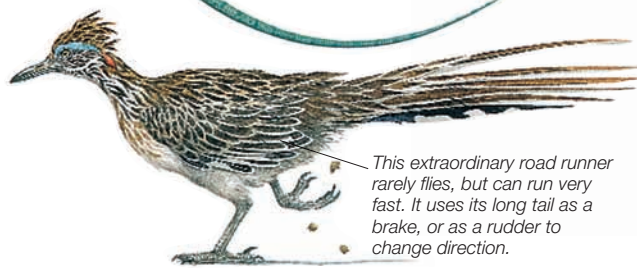
Boise, Idaho
 ☀ Jan 30°F (-1°C)
 ☀ July 74°F (23°C)
 ☁ Jan 1.9 in (48 mm)
 ☁ July 0.2 in (5 mm)

LIVING IN THE DESERT
 The Sonoran Desert was once home only to creatures adapted to the heat. Today, Phoenix, Arizona, is one of the fastest-growing US cities, despite its location in the middle of the desert. Between 1960–1990, its population grew by more than 300 percent. Part of the reason why the Colorado River fails to reach the ocean is because of demands for water from Phoenix.

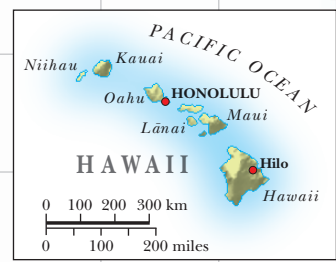


Cactus plants can survive the desert heat.

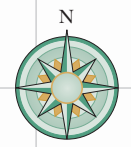
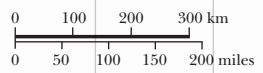
The collared lizard of the southwestern deserts hides under a rock at night and comes out in the morning to warm up in the sun.



This extraordinary road runner rarely flies, but can run very fast. It uses its long tail as a brake, or as a rudder to change direction.

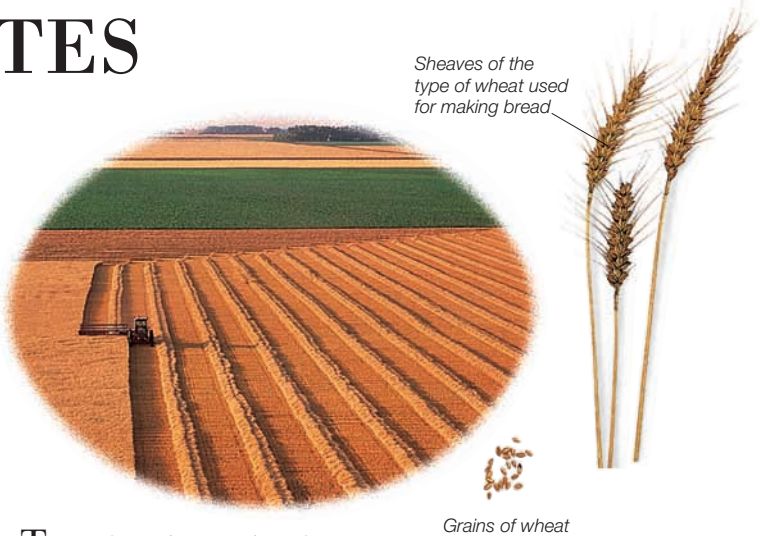


Honolulu, Hawaii
 ☀ Jan 72°F (22°C)
 ☀ July 77°F (25°C)
 ☁ Jan 4.1 in (104 mm)
 ☁ July 0.9 in (23 mm)



US: CENTRAL STATES

FAMOUS FOR COWBOYS AND CATTLE RANCHES, the central states of the US are also the country's "bread basket" and oil refinery. This vast region includes high mountains, fertile plains, and the Mississippi River system. Texas and Oklahoma have major oil and gas fields, while coal is mined in Wyoming and Montana. The Rocky Mountains contain important national parks, such as Yellowstone and Glacier, and are rich in mineral resources. Hot summers and cold winters, as well as violent hailstorms and tornadoes, make the region's climate one of extremes.

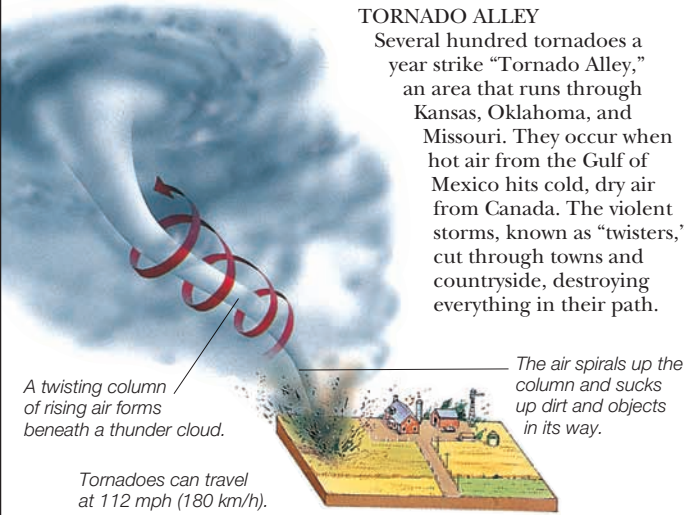


THE GREAT PLAINS

Once home to millions of buffalo, the vast open plains between the Rocky Mountains and the Mississippi River are now planted with cereal grains. Farmers on the Great Plains produce more wheat and corn than anywhere else on Earth. Farming is highly mechanized, with huge machines to harvest the grain. In drier parts, the land can be farmed only if it is irrigated, often using water taken from a natural underground reservoir, called an aquifer.

TORNADO ALLEY

Several hundred tornadoes a year strike "Tornado Alley," an area that runs through Kansas, Oklahoma, and Missouri. They occur when hot air from the Gulf of Mexico hits cold, dry air from Canada. The violent storms, known as "twisters," cut through towns and countryside, destroying everything in their path.



RURAL AMERICA

Today, most Americans live in cities and towns, but at the start of the 20th century, two out of every five adults lived on farms. There are still many small towns with populations of less than 10,000 people. These towns are often in farming country and are where people go for supplies, to attend school, church, or special events, such as this fair.

COWBOY COUNTRY

Cattle are raised on the Great Plains and foothills of the Rocky Mountains. In summer, cowboys on horseback used to drive the cattle to fresh pastures; in winter, they herded them back to the ranch to be sold at auction for food. Hollywood movies turned cowboys into heroes, but life in the saddle was not easy. Pay was poor, and men often spent 15 hours a day on horseback in scorching heat or driving rain. Today, ranches are smaller and cowboys and horses may be ferried from ranch to pasture by truck and trailer.



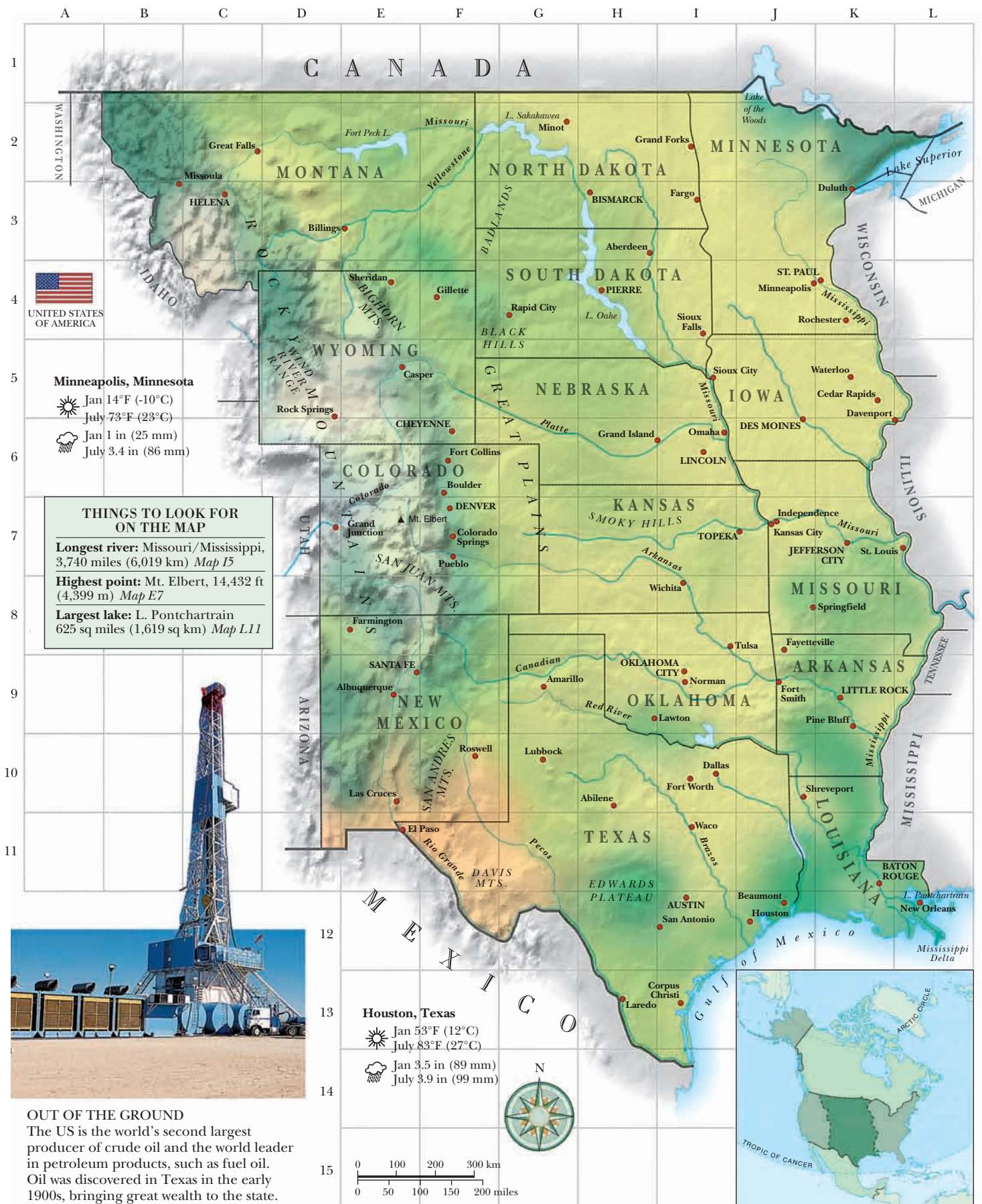
CITIES OF THE DEAD

Cemeteries in New Orleans are built above ground to protect them when the Mississippi floods. The burial grounds are called Cities of the Dead.



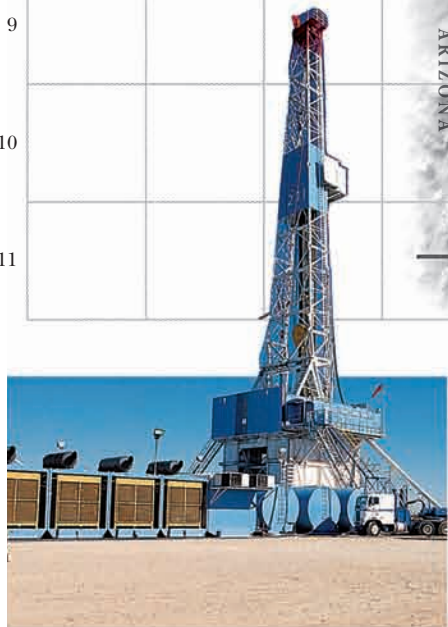
MISSISSIPPI RIVER

From Minnesota in the north to its enormous delta in the Gulf of Mexico, the mighty Mississippi River flows through the central states. It is one of the world's busiest waterways, suitable for cargo boats for almost 1,802 miles (2,900 km). This view of the river shows it flowing through Iowa, where it forms a natural border with Illinois and Wisconsin. In the south, severe flooding often occurs after heavy rains.



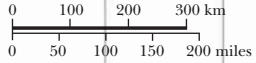
Minneapolis, Minnesota
 Jan 14°F (-10°C)
 July 73°F (23°C)
 Jan 1 in (25 mm)
 July 3.4 in (86 mm)

THINGS TO LOOK FOR ON THE MAP
Longest river: Missouri/Mississippi, 3,740 miles (6,019 km) *Map I5*
Highest point: Mt. Elbert, 14,432 ft (4,399 m) *Map E7*
Largest lake: L. Pontchartrain, 625 sq miles (1,619 sq km) *Map L11*



OUT OF THE GROUND
 The US is the world's second largest producer of crude oil and the world leader in petroleum products, such as fuel oil. Oil was discovered in Texas in the early 1900s, bringing great wealth to the state. Today, Texas is the second largest oil-producing state after Alaska. Magnesium, iron, and uranium are also mined there.

Houston, Texas
 Jan 53°F (12°C)
 July 83°F (27°C)
 Jan 3.5 in (89 mm)
 July 3.9 in (99 mm)



US: EASTERN STATES

EXCELLENT HARBORS, FERTILE LAND, and rich mineral resources have made this region one of the most densely populated in the country. It was along the East Coast that the first settlers from Europe arrived in the 16th century. Today, the area includes some of the country's largest cities, such as New York and Washington, DC, as well as the once-great industrial centers of Chicago, Detroit, and Cleveland on the Great Lakes. Farther south, farmers use the land to cultivate cotton, tobacco, and vegetables grown for their oil. Hurricanes are a threat to people living on the Gulf and Atlantic coasts.



The White House has been the home of every US president since 1800.

RULING THE COUNTRY
The US has a written set of laws, known as a constitution, that sets out how the country should be governed. The center of government is Washington, DC, where the president and his family live in the White House. The president is the head of state and is chosen in elections that are held once every four years.



THE APPALACHIANS

The Appalachian Mountains run through North Carolina, Virginia, and West Virginia. For many years, coal was mined here and used to power steel mills. Today, many mines and factories have closed, eliminating jobs. Despite a plan to open up the area to tourists, Appalachia remains one of the poorest parts of the US.

BIG BUSINESS IN NEW YORK

Originally a fur-trading post at the mouth of the Hudson River, New York is now the US's financial capital. Wall Street, so called because it marked the line of the old city wall, is the home of the New York Stock Exchange. Financial deals worth billions of dollars are made there every day. Nasdaq, short for National Association of Securities Dealers Automated Quotation System, based in New York, was the world's first electronic stock market. Because it is a purely computer-based system, shares can be traded around the globe, 24 hours a day.



The sign on this blues club in Memphis, Tennessee, is shaped like a giant guitar.



THE BIRTH OF THE BLUES
This part of the US is the birthplace of some of the world's most popular music. Jazz and blues were based on the spiritual and work songs of the black population. Country music began as poor white people's music in Kentucky and Tennessee, and the soul label Motown grew up in Detroit, the US.

Neon, used to light up so many buildings across America, was first invented in 1898.

Flower buds form on the cotton plants.



Flowers turn pink and then fall off.



After the flower falls off, a tiny seed ripens and grows into a pod, or boll.

The cotton boll opens into a fluffy fiber ready for harvesting.

Cotton is woven into fabric for shirts, pants, and towels, which are sold at home and abroad.

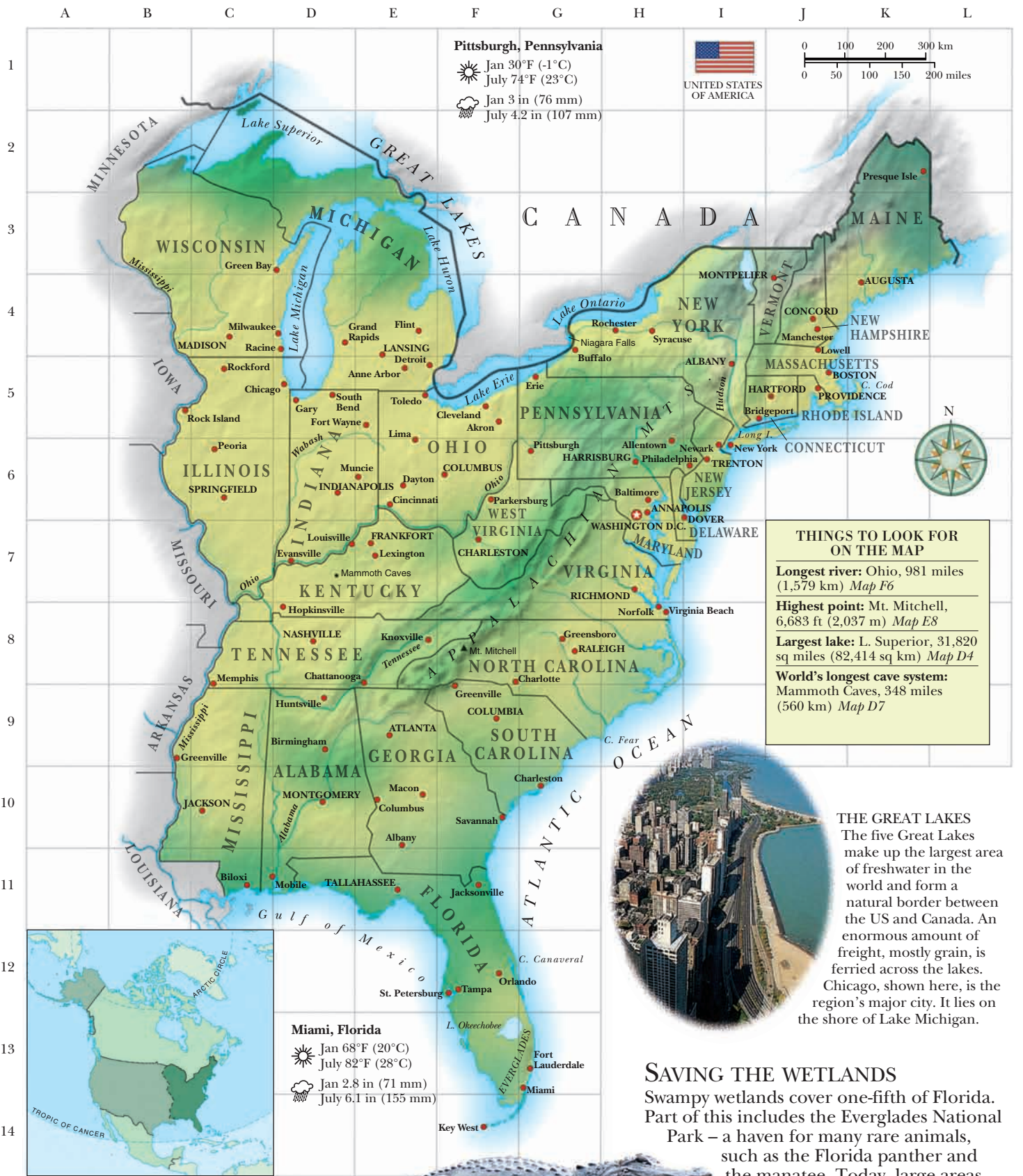


This huge machine picks the cotton bolls from the plant.

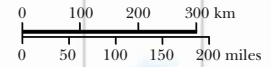


COTTON – FROM FIELD TO FABRIC

In the mid-1800s, the southern states produced 80 percent of the world's cotton and grew rich on the profits. Cotton was grown on huge plantations, then handpicked by black slaves who had been brought by force from Africa. Slavery was finally abolished in the US in 1865. Cotton is still an important crop, although modern machinery now does the hard work. Soybeans, used mainly for oil, are now the biggest crop in this region.



Pittsburgh, Pennsylvania
 ☀ Jan 30°F (-1°C)
 ☀ July 74°F (23°C)
 ☁ Jan 3 in (76 mm)
 ☁ July 4.2 in (107 mm)



THINGS TO LOOK FOR ON THE MAP

Longest river: Ohio, 981 miles (1,579 km) *Map F6*

Highest point: Mt. Mitchell, 6,683 ft (2,037 m) *Map E8*

Largest lake: L. Superior, 31,820 sq miles (82,414 sq km) *Map D4*

World's longest cave system: Mammoth Caves, 348 miles (560 km) *Map D7*



THE GREAT LAKES
 The five Great Lakes make up the largest area of freshwater in the world and form a natural border between the US and Canada. An enormous amount of freight, mostly grain, is ferried across the lakes. Chicago, shown here, is the region's major city. It lies on the shore of Lake Michigan.

SAVING THE WETLANDS

Swampy wetlands cover one-fifth of Florida. Part of this includes the Everglades National Park – a haven for many rare animals, such as the Florida panther and the manatee. Today, large areas of the Everglades are threatened by drainage programs aimed at creating more land for building and farming. A state plan was launched in 1994 to save the remaining wetlands and create new areas of swamp.

Miami, Florida
 ☀ Jan 68°F (20°C)
 ☀ July 82°F (28°C)
 ☁ Jan 2.8 in (71 mm)
 ☁ July 6.1 in (155 mm)

The American alligator lives in the swamps and rivers of Florida, Georgia, and Alabama. It can grow up to 12 ft (3.6 m) long.





MEXICO

THE COLORFUL LAND OF MEXICO was once home to the golden civilizations of the Maya and Aztecs. These ancient empires were destroyed by the Spanish, who invaded in the 1500s and ruled the country until its independence in 1821. Descendants of the native peoples still live in Mexico, but most people are *mestizo*, of mixed Spanish and native Indian descent. Almost half of all Mexicans are under 19 years old, and the population is growing rapidly, leading to overcrowding in the cities. Mexico has limited farmland and cannot produce enough food for the growing population.



A LAND OF CONTRASTS
Mexico's landscape ranges from vast deserts in the north, through snowcapped mountains and a central plateau in the center, to tropical rain forests in the south. The Sonoran Desert, shown here, stretches across the border into the US. This desert is home to the giant saguaro cactus and to poisonous animals such as rattlesnakes and scorpions.

MEXICO
Capital city: Mexico City
Area: 761,602 sq miles (1,972,550 sq km)
Population: 98,900,000
Official language: Spanish
Major religions: Christian 93%, other 7%
Government: Multiparty democracy
Currency: Mexico new peso
Adult literacy rate: 91%
Life expectancy: 74 years
People per doctor: 667
Televisions: 261 per 1,000 people

SIGHT-SEEING

Tourism is one of Mexico's biggest sources of income. Visitors from all over the world come to see Chichén Itzá, Tenochtitlán, Palenque, and other sites of the ancient Maya and Aztec civilizations.

The warm sea and sandy beaches at coastal resorts, such as Acapulco and Cancun, also attract many tourists.



These buildings at Teotihuacán, near Mexico City, are the remains of an ancient religious center.



Mexico City's most famous street is the wide Paseo de la Reforma, with its tall buildings, cafés, and theaters.

MEXICO CITY

With a population of more than 22 million, Mexico City is one of the world's largest cities. But its size and location create many problems. It lies at a high altitude and is ringed by mountains, so pollution from cars and factories cannot escape and poisons the air. Children often wait to leave for school until after rush hour to avoid car fumes. Mexico City is very overcrowded, and the area is prone to earthquakes; the most recent one devastated the city center in 1985.

Most Mexicans are Roman Catholic and worship in churches often named after saints.

Women carry decorated baskets of flowers. They wear wraparound skirts, called *enrados*, and white blouses.

Men parade with large cotton globes on which the name of their town is written.



VILLAGE FESTIVALS

Festivals, or *fiestas*, are a common part of Mexican village life. Each village has its own patron saint and on the saint's day there is a colorful celebration. There are 115 separate saints' days in Mexico. Here the people of a small town near Oaxaca celebrate their *fiesta* with a street procession. Although most people in Mexico are Roman Catholic, native Indian beliefs are also important, and many festivals are a mixture of Christian and Indian traditions.



A dip called guacamole is made with avocados.

Beer with a slice of lime

Avocado

Chilies

Tortillas are eaten like bread or made into a snack called a taco.

MEXICAN FOOD

Mexicans eat a variety of spicy foods flavored with chilies. Most of the food is based on home-grown produce, such as avocados, beans, tomatoes, and corn. Pancakes, called tortillas, are made from corn flour and filled with meat or vegetables, and cheese. Cooks also mix chilies and chocolate to make a spicy sauce called *mole*, which is served on chicken.



OIL FROM THE GULF

Huge reserves of oil were found along the Gulf of Mexico in 1976, and today Mexico is the world's fifth largest oil producer. There are about 3,000 oil platforms in the gulf, extracting oil from the seabed. Mexico is also rich in other minerals, including iron, zinc, copper, and silver, of which it is the world's biggest producer.



TRADITIONAL CRAFTS

Weaving and embroidery are among the traditional crafts of Mexico's native Indian peoples. Images of gods, birds, and flowers are often used in their designs. Just like their ancestors, women bring brightly decorated clothes into the towns to sell in the markets.



Blue, red, and black are the main colors used in traditional Mexican designs.



MADE IN MEXICO

Clustered along Mexico's border with the US are some 2,000 factories, called *maquiladoras*. Here, huge numbers of cars, computers, shoes, and other manufactured goods are assembled from parts, ready to be exported. Most of the factories are owned by foreign companies that are attracted to Mexico by the cheap labor costs. The *maquiladoras* are an important source of income for Mexico and help prevent its economy from being too dependent on oil.

Find out more	
OIL: 137, 152, 281	POPULATION GROWTH: 16–17
ROMAN CATHOLICS: 274	TRADE (MAQUILADORAS): 280

CENTRAL AND SOUTH AMERICA

CENTRAL AMERICA IS A NARROW BRIDGE of land linking Mexico in the north to South America in the south. A string of mountains runs down its length, capped by volcanoes. The beautiful, palm-fringed islands of the Caribbean Sea lie off its east coast. South America, the fourth largest continent, contains a range of very different landscapes. About 60 percent of the continent is covered in vast, grassy plains. The towering Andes Mountains stretch along the west coast, with the long, thin Atacama Desert sandwiched between the mountains and the sea. Tropical rain forests spread in a lush green blanket across huge areas of the northeast.



THE AMAZON RIVER

The world's largest rain forest grows in the vast basin of the mighty Amazon, the longest river in South America. The Amazon rises high in the snowcapped Andes in Peru, then flows 4,001 miles (6,439 km) across Peru and Brazil to its mouth in the Atlantic Ocean. The Amazon carries more water than any other river. At its mouth the Amazon is so wide that you cannot see from one bank to the other. The river discharges so much water into the ocean that the water is still brackish 112 miles (180 km) out to sea.

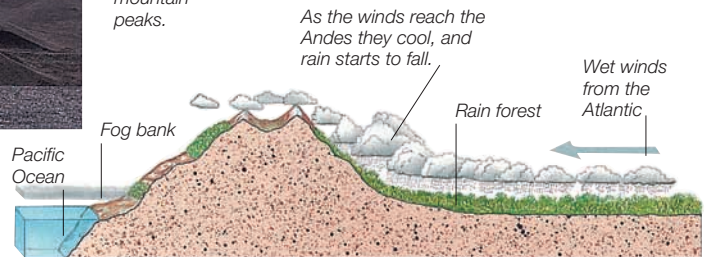


The Andean condor has a wingspan of 10 ft (3 m). Its huge wings help it soar above mountain peaks.



THE ANDES

Stretching for 4,505 miles (7,250 km) along the entire length of South America, the Andes are the world's longest mountain range. Many peaks rise above 19,685 ft (6,000 m). The mountains were formed when two plates of the Earth's crust collided. The plates are still moving, causing numerous earthquakes and volcanoes along the range. An extinct volcano, Aconcagua, is the highest Andean peak and the highest mountain in South America at 22,835 ft (6,960 m). The world's highest navigable lake, Titicaca, lies in the Andes between Peru and Bolivia.



Very little rain falls on the western side of the Andes, which is mostly desert.

THE ANDES AND CLIMATE

The Andes have a major effect on the weather of South America. Warm, wet winds from the Atlantic rise up the eastern slopes. As they rise, they cool and the water in them falls as rain. On the dry, western slopes, the weather conditions are completely different. Here the winds pass over the cold Humboldt Current as they blow in off the sea. This causes them to cool and form a fog bank.

Patagonia covers about 270,272 sq miles (700,000 sq km) of southern Chile and Argentina.



PATAGONIA

In the far southeast of South America lies a huge, dry, windswept plateau of land called Patagonia. This region is sparsely populated, but some small groups of sheep farmers live near Colorado and Negro rivers. They include a community of Welsh-speakers whose ancestors settled in the region during the 1860s. Northern Patagonia is semidesert with some scrubby vegetation. The south is colder, drier, and bleaker, with very little plant life.



THE PAMPAS

Rolling grasslands cover the center of Argentina and extend into neighboring Paraguay. These are the pampas, vast open plains that stretch across an area of 250,967 sq miles (650,000 sq km). The western pampas are dry, semidesert, but the eastern part has frequent rainfall. The pampas form the economic heartland of Argentina. Large herds of beef cattle are grazed on the plains. Other areas have been plowed up to grow huge amounts of wheat, corn, beans, and other crops.

CENTRAL AND SOUTH AMERICA



MONT PELÉE
 On May 8, 1902, Mont Pelée, a volcano on the Caribbean island of Martinique, erupted. A stream of lava, gas, and hot dust poured down the mountain toward the port of St. Pierre, engulfing the town and killing 30,000 people. Volcanoes are a constant hazard in the Caribbean – two-thirds of Montserrat, including the capital Plymouth, became uninhabitable when the Soufrière Hills volcano erupted in 1995.



ISTHMUS OF PANAMA
 The Isthmus of Panama is a narrow strip of land that separates the Caribbean Sea in the Atlantic Ocean from the Gulf of Panama in the Pacific. It forms the land bridge linking Central America to South America. The Isthmus is only 30–130 miles (48–210 km) wide. Its narrow shape and strategic location made it the ideal choice as the site for the Panama Canal.

Highest temperature:
 Rivadavia, Argentina,
 120°F (49°C)

Lowest temperature:
 Sarmiento, Argentina,
 -27°F (-33°C)

FACTS ABOUT CENTRAL AND SOUTH AMERICA	
Area:	7,177,259 sq miles (18,589,118 sq km)
Highest point:	Mt. Aconcagua, Argentina, 22,835 ft (6,960 m) <i>Map F11</i>
Longest river:	Amazon, Peru/Brazil, 4,001 miles (6,439 km) <i>Map I6</i>
Largest lake:	L. Titicaca, Bolivia/Peru, 3,200 sq miles (8,287 sq km) <i>Map F8</i>
Largest island:	Tierra del Fuego, 27,476 sq miles (71,163 sq km) <i>Map F16</i>

PEOPLES OF CENTRAL AND SOUTH AMERICA

Population: approximately 433,500,000 people
Number of countries: 32

THE LANGUAGE, HISTORY, and culture of Central and South America have been shaped by colonization. Until 1492, when Christopher Columbus first landed in the Bahamas, the continent was inhabited by native peoples. After that time, European settlers arrived from Spain and Portugal, and huge numbers of Africans were imported as slaves, especially to the Caribbean and Brazil. The Caribbean also became home to English, French, and Dutch settlers. As a result, the population of the continent today is a combination of these different ethnic groups. Spanish is the main language spoken throughout most of the continent, together with Portuguese in Brazil. English and French are more common in the Caribbean, while Dutch can still be heard in Suriname.



Magnificent Catholic churches, such as the Church of St. Francisco in Brazil, are a lasting reminder of colonial rule.

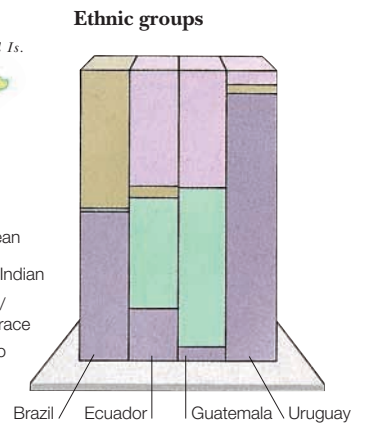
SPANISH INFLUENCE
 From the 16th century on, Spain and Portugal colonized South America. Both countries also sent missionaries to spread the Roman Catholic religion. Spain colonized much of the continent, but Portuguese-ruled Brazil became the largest and most economically powerful country. Today, the majority of South Americans are still Roman Catholics.

ETHNIC GROUPS

Native Indians, who can trace their history back to people living in Central and South America before the Europeans arrived, make up just 2 percent of the continent's population today. The next largest group are people of African descent, the greatest number of whom are today found in Brazil and the Caribbean. In most countries, the largest group of people is of mixed European and native Indian descent, known as *mestizos*.



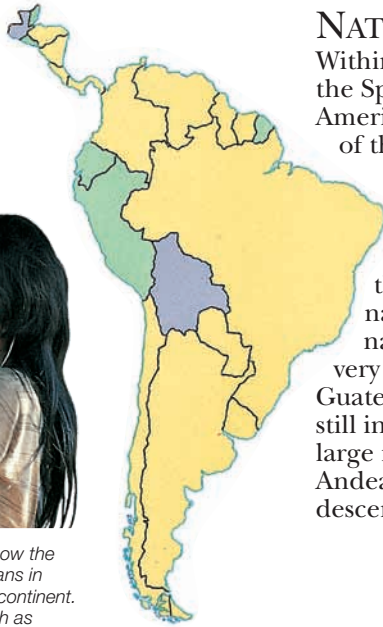
Key
 European
 Native Indian
 African/mixed race
 Mestizo



These young Brazilian men are a mix of ethnic groups.

The peoples of Central and South America can be divided into four distinct ethnic groups. This chart shows what proportion of the population makes up each of the four ethnic groups in four countries.

Key
 ■ 50% and more
 ■ 10–49%
 ■ Less than 10%



NATIVE PEOPLES

Within a hundred years of the Spanish arrival in South America, as much as 90 percent of the native population had died, mainly from diseases brought by Europeans, such as smallpox and measles, against which the native peoples had no natural immunity. Today, native Indians make up a very small minority, except in Guatemala, where Mayan people still inhabit the highlands in large numbers, and in the Andean ranges of Bolivia, where descendants of the Incas live.



This map is shaded to show the percentage of native Indians in each country across the continent. Some native Indians, such as this Yaminahva Indian woman and child, in Peru, now live on special reservations.

Refugees from the countryside building a shack on the outskirts of Buenos Aires, Argentina



CROWDED CITIES

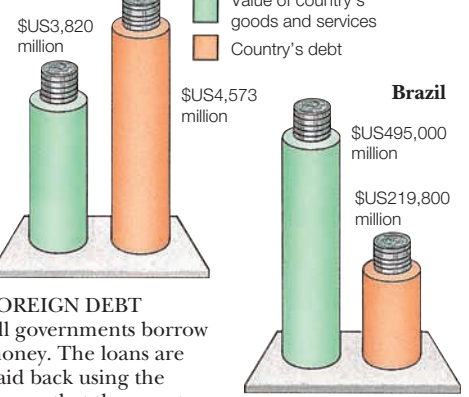
Nearly three-quarters of the continent's population lives in cities. In some countries, such as Chile and Uruguay, more than a third of the population lives in the capital. Many people have been forced to migrate from rural areas to escape widespread poverty, or have been drawn to the cities by the chance of work. They now live in crowded shantytowns that have grown up on the city outskirts.

POPULATION GROWTH

In the 20th century, population growth across the continent was rapid, particularly in Brazil and the northern countries. In most countries, birth rates are now beginning to fall. However, since so much of the population is young, and improvements in health care allow more children to survive into adulthood, the population is still growing. By the end of 2005, another 80 million people were living there.



Nicaragua



FOREIGN DEBT

All governments borrow money. The loans are paid back using the money that the country earns by exporting its goods. However, many countries in Central and South America have huge debts. Brazil has a very large foreign debt, but it is still relatively small compared to Brazil's earnings. Nicaragua has a much smaller debt, but the country's earnings are even less.

Brazil



SMALL-SCALE FARMS

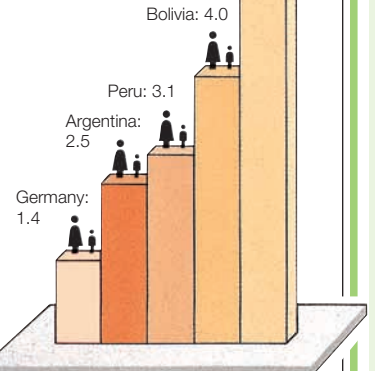
Most of the continent's farmers have only enough land to support one or two people. People like this Bolivian family grow crops and keep a few animals, such as chickens or pigs, to eat rather than to sell. Since the farm often cannot provide enough food for the whole family, some family members are forced to move elsewhere in search of work.



LARGE-SCALE FARMS

Across the region, ranches for cattle and sheep and plantations growing export crops, such as bananas and sugar, often extend over a vast area and are operated as profit-making businesses. These huge farms may be owned by foreign companies or by a handful of rich and powerful families. Cuba is different, for the government controls these large estates.

Children per family



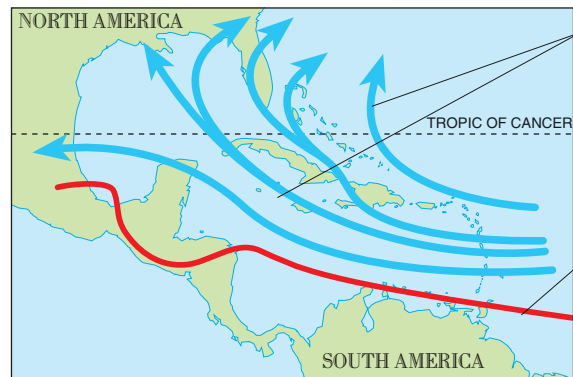
This chart shows the average number of children per woman in five countries. Birth rates in Central and South America are lower than in Africa, but higher than birth rates in Europe, where most families have 1 or 2 children.

CENTRAL AMERICA AND THE CARIBBEAN

THE SEVEN SMALL COUNTRIES OF CENTRAL AMERICA lie within a neck of land that joins North and South America. To the east, hundreds of Caribbean islands stretch from the US almost to Venezuela. When Christopher Columbus and his Spanish crew dropped anchor in the Caribbean in 1492, they thought it was Asia, and the islands became known as the West Indies. From that time on, Europeans competed for control of the region, bringing slaves from Africa to work on the land. Central America's greatest influence is still Spanish, while the Caribbean retains its African culture. The entire area is affected by natural hazards, with volcanoes, earthquakes, and hurricanes.



FARMING THE LAND
Even before the arrival of Europeans, Central America was an agricultural region. The land divides into three main zones: the fertile Pacific plain, ideal for growing crops such as bananas; the central highlands, with coffee plantations (above) and cattle ranches; and the forested northeast, where the soil is less suitable for farming. Intensive farming has damaged much of the environment.



Arrows indicate the movements of storms and show how they die out once they hit land and "spend" all their energy.
The red line across the map marks the southern limit of the area of hurricane activity.

HURRICANE STRENGTH

Powerful tropical storms known as hurricanes affect the Caribbean between May and October. A hurricane starts off as a normal storm over the ocean, but grows in force if the waters are particularly warm. Winds then blow the swirling mass of cloud, wind, and rain westward, toward the islands, where it can cause massive destruction when it hits land. The word hurricane comes from Huracan, the local name for the god of storms.





ISLANDS LARGE AND SMALL
 In the centuries after Columbus, Spanish influence remained strong on the mainland, although Spain, France, Britain, the Netherlands, and later the US laid claim to many of the islands. St. Lucia, for example, changed hands between Britain and France 14 times. Most of the larger islands are now independent countries, while others are still dependencies. The island of Martinique, with its replica of the Sacré Coeur church in Paris, remains French, while the Netherlands Antilles are controlled by the Dutch.

PEOPLE OF THE CARIBBEAN
 The original inhabitants of the Caribbean islands were the Carib and Arawak peoples. Most died from disease and slavery at the hands of the Spanish, although a few descendants of Caribs survive on the island of Dominica. Today, most people in the Caribbean are descendants of the African slaves brought over to work the plantations. Europeans, Asians, Syrians, and Lebanese also form a part of Caribbean culture.



THINGS TO LOOK FOR ON THE MAP
Longest river: Coco, Honduras/Nicaragua, 300 miles (483 km) *Map F10*
Highest point: Tajumulco, Guatemala, 13,845 ft (4,220 m) *Map A8*
Largest lake: L. Nicaragua, Nicaragua, 3,100 sq miles (8,029 sq km) *Map E12*

Port-of-Spain, Trinidad
 ☀ Jan 78°F (26°C)
 ☀ July 80°F (27°C)
 ☁ Jan 2.7 in (69 mm)
 ☁ July 8.6 in (218 mm)



GUATEMALA



GUATEMALA

Capital city: Guatemala City
Area: 42,042 sq miles (108,890 sq km)
Population: 12,300,000
Official language: Spanish
Major religions: Christian 98%, other 2%
Government: Multiparty democracy
Currency: Quetzal
Adult literacy rate: 70%
Life expectancy: 65 years
People per doctor: 1,111
Televisions: 126 per 1,000 people

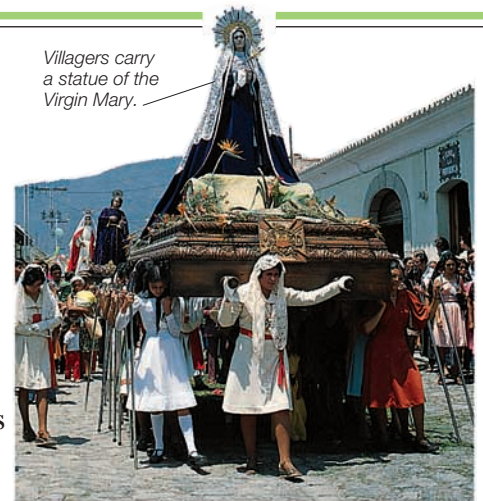
BELIZE

Capital city: Belmopan
Area: 8,867 sq miles (22,966 sq km)
Population: 256,000
Official language: English
Major religion: Christian 87%, other 13%
Government: Multiparty democracy
Currency: Belizean dollar
Adult literacy rate: 77%
Life expectancy: 74 years
People per doctor: 2,000
Televisions: 183 per 1,000 people

FROM THE RUINED CITIES of the ancient Mayan civilization to the Catholic churches of the Spanish, Guatemala represents a blend of cultures. Today, more than half the people are direct descendants of the Mayan Indians and live mainly in highland villages; the remainder of the population is part Indian and part Spanish. Many Mayans work for rich landowners who grow the coffee, sugar, and bananas that are the country's main cash crops. Guatemala also exports fresh-cut flowers, mostly roses, which are grown in the valleys around Antigua.

MARKET DAY

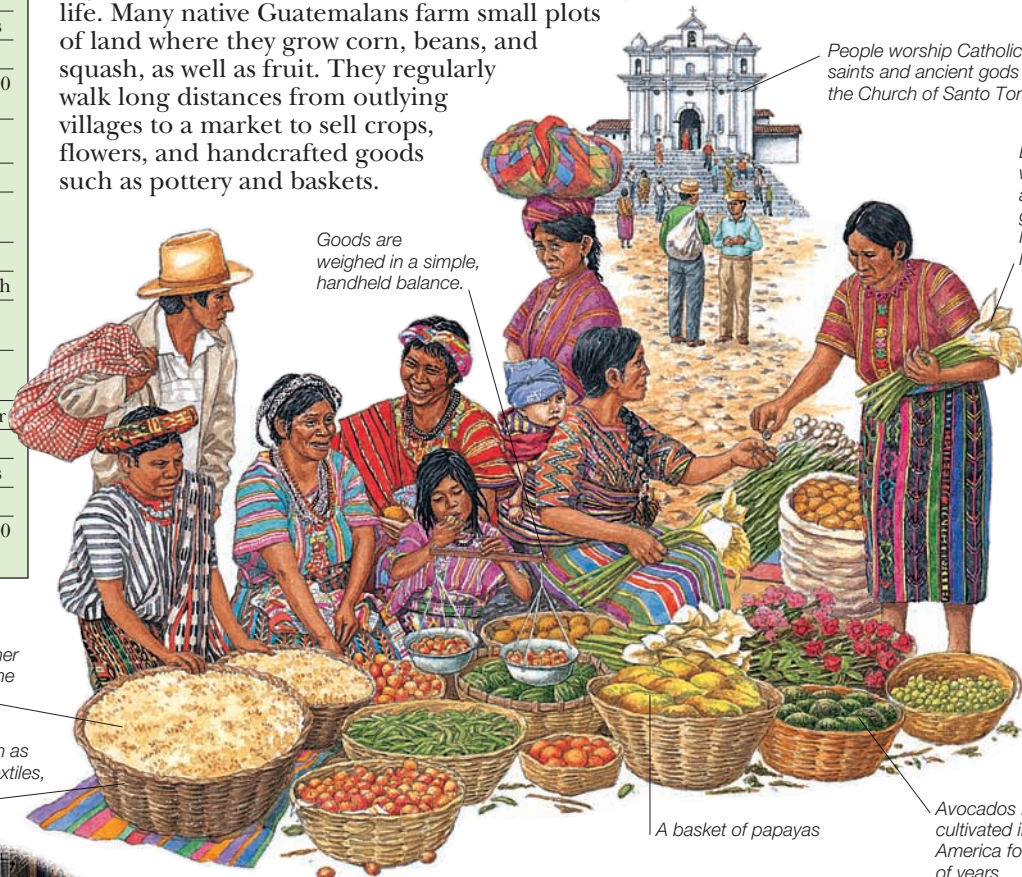
Markets such as this one in Chichicastenango, in the highlands near Lake Atitlán, are a feature of daily life. Many native Guatemalans farm small plots of land where they grow corn, beans, and squash, as well as fruit. They regularly walk long distances from outlying villages to a market to sell crops, flowers, and handcrafted goods such as pottery and baskets.



Villagers carry a statue of the Virgin Mary.

HOLY WEEK

Most Guatemalans are Roman Catholic, the religion the Spanish brought with them in the 16th century. However, many people are now becoming Protestant. Guatemalans also practice their own form of worship based on traditional beliefs. This procession in Antigua forms part of their celebration of Holy Week.



People worship Catholic saints and ancient gods at the Church of Santo Tomas.

Lilies and roses, as well as carnations and gladioli, are grown in the valleys. Many are sold to North America.

Goods are weighed in a simple, handheld balance.

Village women wear brightly colored ankle-length skirts. Patterns date back hundreds of years.

Corn and other cereals are the main foods.

Mayan craft products, such as baskets and handwoven textiles, are popular with tourists.

A basket of papayas

Avocados have been cultivated in Central America for thousands of years.

WEAVING STYLES

Weaving is a traditional craft. Cloth is made from colored yarn, using patterns that have been handed down through the generations. There are more than 300 different styles, each with a special historical meaning.

Weavers use a backstrap loom that can be moved from place to place.



CITIES OF THE MAYA

Tourism is one of Guatemala's fastest growing industries. Each year almost one million tourists visit the country to see its ancient sites. Spectacular ruins mark the site of Tikal, one of the great Mayan cities. Tikal was mysteriously abandoned in about AD 900. Today its ruined temples lie in a huge area of tropical forest.



REFUGEES

Life for the Mayans is a constant struggle for survival, and many have suffered hardship and death in their attempts to avoid being forced into mainstream society. Persecution was particularly bad in the early 1980s, when the then military government set out to eliminate them. Some 60,000 Mayans fled to safety in refugee camps in Mexico. Today, they are returning to Guatemala, but their safety is uncertain and much of their land has been seized.



STREET CHILDREN

Guatemala City is home to growing numbers of so-called street children. Forced to leave home because of poverty and abuse, children live in small groups and survive through crime, by begging, and selling whatever they can find. Recently, human rights groups such as Amnesty International have drawn attention to their plight.

BELIZE

LYING ON THE CARIBBEAN COAST, Belize is both an old and a new country. Ancient ruins dot the landscape, reminders of its Mayan history, but the country itself only achieved full independence in 1981. For many years, Belize was a British colony, the only one in Central America. English is the official language, but Belizeans are descended from several ethnic groups – Caribs, Africans, Mayans, Asians, and Europeans – and many people speak a Creole or African dialect. Caribbean foods and music are popular, and the country is famous for its wildlife.



CORAL REEF

A chain of coral reefs, dotted with small sandy islands called cayes, runs 180 miles (290 km) along the coastline of Belize. It is the world's second largest barrier reef, after Australia's, and is home to turtles, sea anemones, and spiny lobsters, as well as a wonderful array of tropical fish. The clear, warm water attracts divers from around the world.



Flooding and hurricanes can cause serious problems along the coast of Belize, so a new capital, Belmopan, has been built farther inland than Belize City, the old capital.



DEEP IN THE FOREST

Dense tropical rain forest covers half of Belize's land area. Rosewood, and other products from the forest, such as chicle, used to make chewing gum, and kapok, a silky cotton from the giant Ceiba tree, are important to the economy. So, too, are the increasing number of citrus groves. But cultivation is limited. Much of the rain forest is protected and provides a rich habitat for plants and animals.



BELMOPAN

In 1961, a massive hurricane and tidal wave devastated the coastal capital, Belize City. In 1970, a new capital, Belmopan, was built 50 miles (80 km) inland to protect it from tropical storms. Although people and businesses are gradually moving to the new capital, Belize City remains the country's most populated city.

FOREST WILDLIFE

The forests are filled with an amazing variety of wildlife. Jaguars, tapirs, howler monkeys, and coatimundi are just a few of the world's endangered species still thriving in the forests of Belize. Butterflies and tropical birds fly through the trees. And there are 250 different types of orchid, including the black orchid, Belize's national flower.



Toucans live in the treetops so they can fly around the open areas.

The howler monkey defends its part of the rain forest with a noisy howl.



Find out more

CORAL REEFS: 255, 258
 HURRICANES: 44
 RAIN FORESTS: 15, 69, 204
 RELIGION: 274–275



HONDURAS

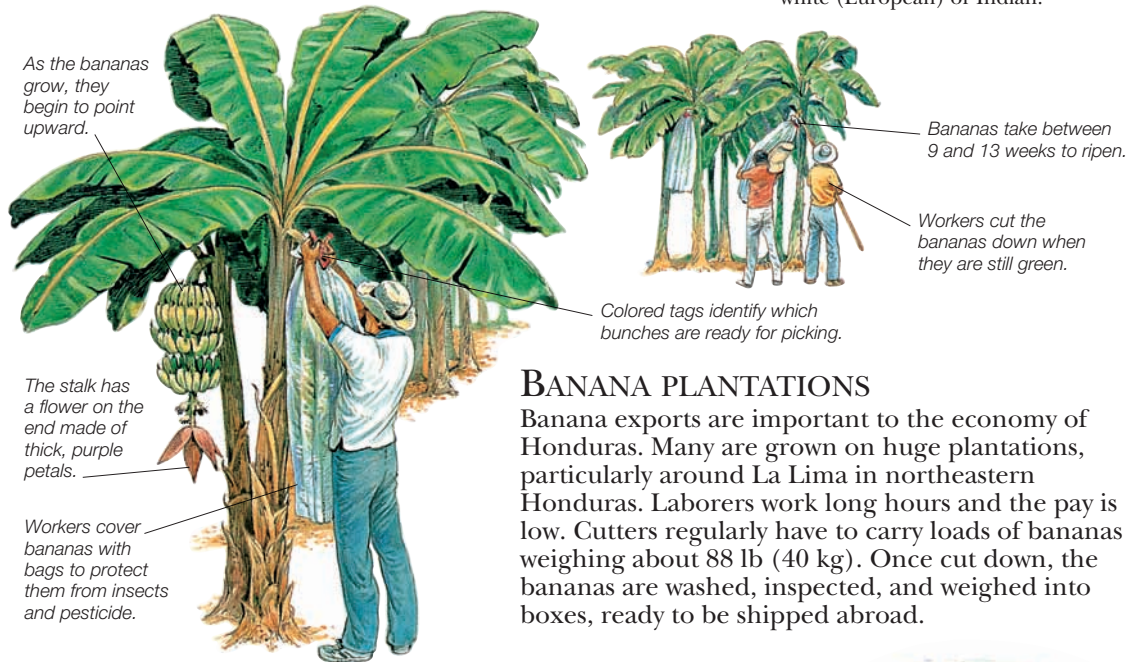
THE HOT, STEAMY CLIMATE of Honduras is ideal for growing fruit, and for many years the banana industry has dominated the life of the country. Today, Honduras has developed other exports, such as coffee, sugar, and beef. About half of the Honduran population lives in the countryside, in small villages or isolated settlements. Many are poor farmers, growing corn, beans, or rice for their own use. Life is hard, and many people go hungry. Land is unevenly distributed – wealthy families and fruit companies own 60 percent of the land.



HONDURAN PEOPLE
Most Hondurans are *mestizos* – mixed descendants of native Indians and the Europeans who arrived in the 16th century. Some are descended from black Africans who were shipped to the Caribbean as slaves. Some are white (European) or Indian.

HONDURAS	
Capital city: Tegucigalpa	
Area: 43,278 sq miles (112,090 sq km)	
Population: 6,900,000	
Official language: Spanish	
Major religion: Christian 100%	
Government: Multiparty democracy	
Currency: Lempira	
Adult literacy rate: 80%	
Life expectancy: 66 years	
People per doctor: 1,250	
Televisions: 90 per 1,000 people	

EL SALVADOR	
Capital city: San Salvador	
Area: 8,124 sq miles (21,040 sq km)	
Population: 6,500,000	
Official language: Spanish	
Major religion: Christian 98%, other 2%	
Government: Multiparty democracy	
Currency: Salvadorean colón, US Dollar	
Adult literacy rate: 80%	
Life expectancy: 70 years	
People per doctor: 909	
Televisions: 675 per 1,000 people	



BANANA PLANTATIONS

Banana exports are important to the economy of Honduras. Many are grown on huge plantations, particularly around La Lima in northeastern Honduras. Laborers work long hours and the pay is low. Cutters regularly have to carry loads of bananas weighing about 88 lb (40 kg). Once cut down, the bananas are washed, inspected, and weighed into boxes, ready to be shipped abroad.

EL SALVADOR

THE SMALLEST COUNTRY in Central America, El Salvador has suffered a history of civil war and revolution. Historically, a handful of rich families have controlled the land and wealth, while most Salvadoreans have lived in poverty. A line of volcanoes, many still active, dominates the landscape. Forests, once rich with cedar, mahogany, and oak, have been cut down for farmland.



SAN SALVADOR
San Salvador was founded by Spanish colonists in 1525. Since then it has been damaged by earthquakes many times. Much of the original Spanish architecture has been replaced with modern buildings. Overcrowded slum areas have developed around the city as thousands of refugees have arrived in search of work.



PEACE ACCORD
Between 1979 and 1991, a bitter civil war raged between the US-backed government and left-wing guerilla forces. Some 75,000 Salvadoreans died. On January 16, 1992, the country celebrated a peace agreement signed by guerilla leader Chano Guevara (left).



THE SOCCER WAR
In 1969, long-standing border disputes erupted when El Salvador played Honduras to qualify for the World Cup. The incident led to the Salvadoran army invading Honduras. More than 3,000 people were killed.

<i>Find out more</i>	
COFFEE:	50, 62, 66
PEOPLES OF THE CONTINENT:	42
SUGAR:	52
VOLCANOES & EARTHQUAKES:	13



NICARAGUA

SOMETIMES CALLED “the land of lakes and volcanoes,” Nicaragua is a beautiful country. It could also be one of the richest in Central America, but its recent history has been as violent as its earthquakes, and the economy has been thrown into chaos by past political events. The economy is mainly based on agriculture, with fishing along the coasts, but Nicaragua also has large deposits of minerals, including copper and gold, which are mined for export. The country has a young population, with more than half the people under the age of 15.



SANDINISTA REVOLUTION

For over 40 years, the Somoza family ruled Nicaragua as a dictatorship. But in 1979, rebels took control and formed the left-wing Sandinista government. They provided better health care, and set up a program of taking land from the rich and giving it to peasants. However, they were opposed by the Contras, anti-Sandinista forces backed by the United States, and thousands lost their lives in fighting during the next decade. In 1990 the Sandinistas lost the elections, but have retained their popularity among the poor.

NICARAGUA	
Capital city:	Managua
Area:	43,278 sq miles (129,494 sq km)
Population:	5,500,000
Official language:	Spanish
Major religions:	Christian 97%, other 3%
Government:	Multiparty democracy
Currency:	Gold córdoba
Adult literacy rate:	77%
Life expectancy:	69 years
People per doctor:	1,429
Televisions:	190 per 1,000 people

FAMILY LIFE

Extended families are common in Nicaragua. Parents and children often live with their grandparents under one roof. Until 1979, more than half the population could not read or write. Under the Sandinistas, a literacy campaign was set up, and newly trained teachers, many of them women, were sent into rural areas to teach reading and writing. Within just a few months, literacy levels rose to 87 percent. However, when the Sandinistas lost power, the campaign faded and reading levels dropped again.

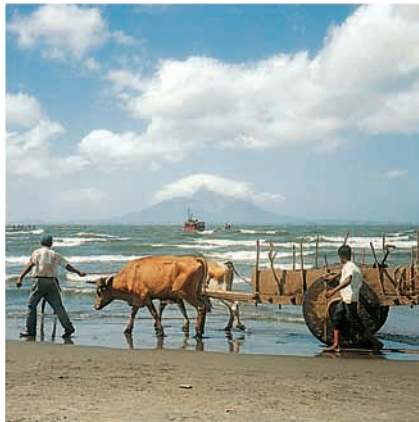


Overcrowding is a problem, and large families are often crammed into very small living spaces.



LIVING DANGEROUSLY

Most of Nicaragua’s population lives on the Pacific coast, where many of the major cities are located. There are active volcanoes here, but earthquakes are the most serious danger. In 1972, the country’s capital, Managua, was nearly destroyed by an earthquake that killed more than 6,000 people and left 300,000 homeless. In 1998, powerful Hurricane Mitch devastated Nicaragua’s east coast, killing at least 3,800 people and causing damage estimated at \$1 billion.



Lake Nicaragua is named after Nicarao, an ancient Indian chief whose people lived by the lake.

FARMING THE LAND

The fertile volcanic soil near the Pacific coast forms the main farming region of Nicaragua. Corn (shown growing here), beans, and sorghum are the main food crops, and are harvested twice a year. Coffee, cotton, and bananas are also important export crops.



The corn ear, or cob, needs plenty of sunshine to grow and ripen.

Corn kernels are ground into flour and used to make tortillas, a type of pancake.

LAKE NICARAGUA

The west of the country is dominated by Lake Nicaragua, the largest lake in Central America. It is also the only freshwater lake in the world to contain sea fish, including sharks and swordfish. Scientists now think that sharks find their way to the lake by swimming up the San Juan River from the Caribbean Sea.

Find out more

- LITERACY: 277
- POLITICAL SYSTEMS: 270–271
- POPULATION GROWTH: 43
- VOLCANOES & EARTHQUAKES: 13

COSTA RICA



COSTA RICA
Capital city: San José
Area: 19,714 sq miles (51,060 sq km)
Population: 4,200,000
Official language: Spanish
Major religions: Christian 95%, other 5%
Government: Multiparty democracy
Currency: Costa Rican colón
Adult literacy rate: 96%
Life expectancy: 78 years
People per doctor: 1,111
Televisions: 387 per 1,000 people

BORDERED BY SEA on both sides, Costa Rica differs from its neighbors in many ways. It is a peaceful country with a democratically elected government and, since 1948, no army. The country is also relatively wealthy. Schools are free, and Costa Rica spends much of its budget on education. Life expectancy in Costa Rica is the highest in Central America. Exports include coffee, bananas, and sugar, which grow on the country's fertile volcanic soils. The main port is Limón on the Caribbean coast.



THE WAY TO SAN JOSÉ
San José lies in the mountainous center of the country directly on the Pan-American Highway. It is the processing center for the crops that grow in the nearby valleys. The area developed as a tobacco growing center under Spanish rule and became the capital in 1823.

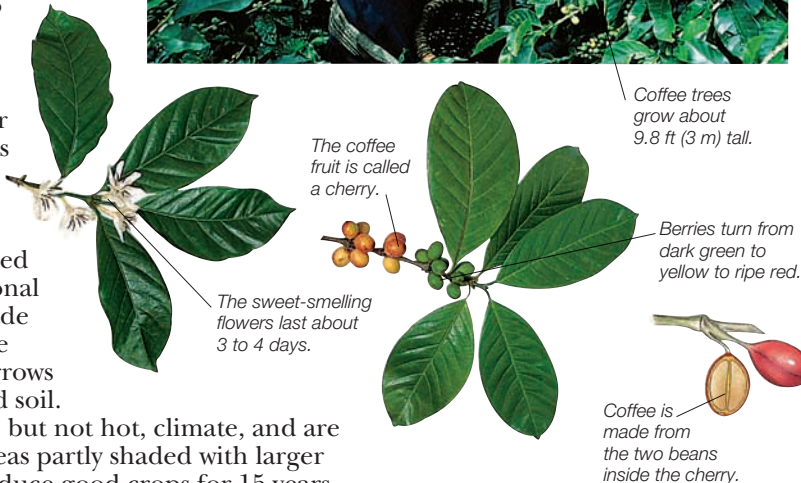
Pickers work by hand, harvesting about 55 lb (25 kg) of beans per day.



TRAIN TO THE COAST
The Atlantic Railway, completed in 1890, was built to take coffee from the plantations to the coast for export. The project was fraught with problems. Thousands of workers lost their lives due to terrible working conditions, and the cost plunged the government into debt.

COFFEE BEANS

Costa Rica was the first country in Central America to grow coffee, and for more than 100 years this has been its leading export. From time to time this success is affected by falling international prices. Coffee is made from the fruit of the coffee tree, which grows best on well-drained soil. Trees need a warm, but not hot, climate, and are usually grown in areas partly shaded with larger trees. They can produce good crops for 15 years.



The coffee fruit is called a cherry.

The sweet-smelling flowers last about 3 to 4 days.

Coffee trees grow about 9.8 ft (3 m) tall.

Berries turn from dark green to yellow to ripe red.

Coffee is made from the two beans inside the cherry.

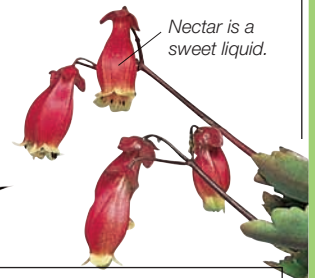
SAVING THE FORESTS

Costa Rica was once covered with forests that included mahogany and tropical cedar trees. But its tree cover has been greatly reduced because forests have been cut down for lumber and to make room for coffee plantations. However, the government is aware that loss of forest also means loss of valuable plant and animal life, and it is now working to conserve its forests. Today, much of the forest is protected in reserves and national parks.



This tiny violet-ear hummingbird is just 4.75 in (12 cm) long. It hovers in the air and takes nectar from flowers through its long beak.

The hummingbird's wings can beat 55 times per second.



Nectar is a sweet liquid.

Find out more

COFFEE: 62, 66
DEMOCRACY: 270
LOGGING: 69, 244
TRADE : 281



PANAMA

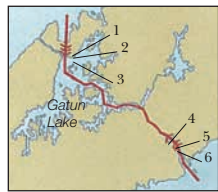
THE COUNTRY OF PANAMA forms a land link between the North and South American continents. The Panama Canal, which cuts through the country and joins the Atlantic and Pacific oceans, is a vital link in international sea trade. Panama has a hot, steamy climate with heavy rainfall, especially on its Caribbean coast. The interior is mountainous. The best farmland is in the lowlands on the Pacific coast, where the main cash crops, bananas, coffee, and sugar, are grown. Shrimps, caught in the coastal waters, are also an important export.



PANAMA CANAL

Every year some 14,000 ships negotiate the locks of the Panama Canal. First opened in 1914, the canal is 51 miles (82 km) long, with a minimum depth of 39 ft (12 m). Forty thousand workers, mostly from the Caribbean, worked on the canal, which took 10 years to build and cost \$US380 million. It also cost thousands of lives. After sharing the canal with the US for many years, Panama took complete control of the canal in December 1999.

PANAMA	
Capital city:	Panama City
Area:	30,193 sq miles (78,200 sq km)
Population:	3,100,000
Official language:	Spanish
Major religions:	Christian 92%, Jewish and other 8%
Government:	Multiparty democracy
Currency:	Balboa
Adult literacy rate:	92%
Life expectancy:	75 years
People per doctor:	588
Televisions:	187 per 1,000 people



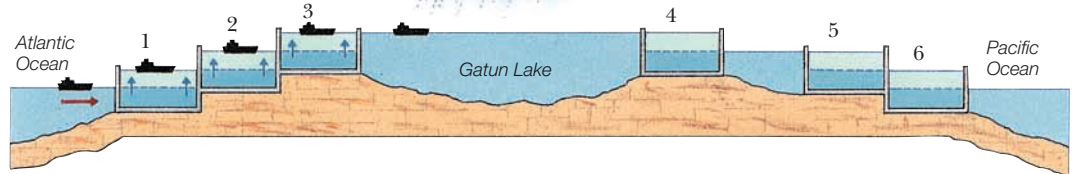
FROM OCEAN TO OCEAN

There is an 85-ft (26-m) difference in height between Gatun Lake and the two oceans. From the Atlantic, ships are raised up through the Gatun locks (1, 2, and 3). Then they are lowered via the Pedro Miguel locks (4) and, finally, through the Miraflores locks (5 and 6) into the Pacific.



Banks and business centers line the canal approach to Panama City.

Cross-section of canal



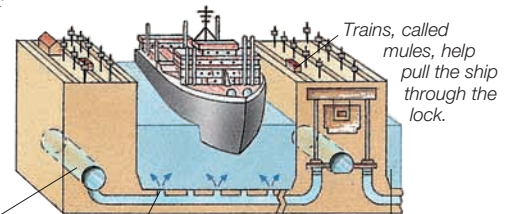
Nine months of tropical rain each year keeps Gatun Lake full. Water from the lake feeds the locks.

CANAL AT THE CROSSROADS

The canal puts Panama at the crossroads of international trade. Revenue from the canal, and from the Free Trade Zone at its mouth in Colón, is vital to the economy. Since 1970, Panama has been one of the world's main financial centers, and its tax-free banking attracts investors from around the world.

Detail of lock chamber

A ship waits in a lock chamber while water is piped in to lift the ship to the next level.



Water is fed through huge pipes, called culverts, down the sides of the lock.

Ships travel in the opposite direction along this channel.

A series of smaller pipes feeds water into the lock from the culverts.

CUNA INDIANS

The original inhabitants of Panama were mostly Cuna, Guaymi, and Choco Indians, but their numbers were severely reduced after the arrival of European explorers in the 16th century. The Cuna once held considerable power in the area and traded, mainly by canoe, along the Caribbean coast. Important chiefs were carried by hammock. Today, the Cuna live in small villages and depend on agriculture for a living.



Hammocks are made of woven fiber from plants that grow on the coast.

Embroidered clothing designs, known as molas, are a feature of the Cuna culture.



THE GOOD SOIL

Panama has many rivers. The soil that develops from clays, sand, and silt deposited from these rivers is called alluvial soil, and is good for growing crops such as the vegetables shown here. With poorer soils the land is used for a few years and then left until its natural fertility returns. This system of land use is called *roza*.

Find out more

- BANANAS: 48
- COFFEE: 50, 62, 66
- EXPORT DEPENDENCY: 281
- PEOPLES OF THE CONTINENT: 42

CUBA

MORE THAN 200 RIVERS WIND their way across Cuba, watering the lush green scenery of the Caribbean's largest island. The land is made up of mountains, rolling hills, and flat plains, all covered in a fertile soil that is ideal for growing sugar, tobacco, and a variety of tropical fruits and vegetables. Most Cubans are descended from the early Spanish settlers, or from Africans brought over later to work as slaves on the plantations. In recent decades, the socialist policies of the long-standing leader Fidel Castro have kept Cuba isolated from much of the world.



CUBA
Capital city: Havana
Area: 42,803 sq miles (110,860 sq km)
Population: 11,300,000
Official language: Spanish
Major religions: Christian 41%, other 59%
Government: One-party state
Currency: Cuban peso
Adult literacy rate: 97%
Life expectancy: 77 years
People per doctor: 189
Televisions: 239 per 1,000 people



CUBAN POLITICS

In 1959, Fidel Castro and a group of rebels overthrew the ruling dictator, Fulgencio Batista. Since then, Cuba has been a communist state, aided by the Soviet Union until its breakup in 1991. Many of Castro's social policies have been successful. Housing and health care have greatly improved, and most people can now read and write. However, the US remains hostile to the communist government.



MUSIC AND DANCE
Cuba's lively music reflects its mix of Spanish and African influences. The Spanish brought distinctive melodies, along with the guitar and violin, and the Africans brought a very different style, as well as various drums and short wooden sticks called claves. The music has gradually fused to create rhythms such as the mambo and salsa. A thriving Afro-Cuban jazz scene has also developed.

Cigars are stored in boxes made from cedar wood to keep them fresh.



CUBAN CIGARS

Cuba's warm days and cool nights are ideal for growing tobacco. Tobacco leaves are picked when pale green and hung up to dry for 40–45 days.

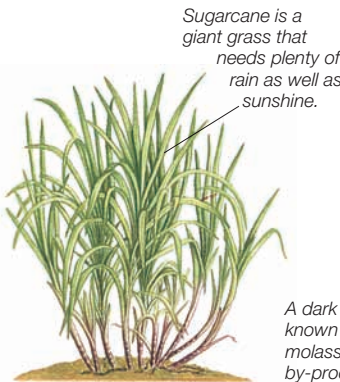
They are then sorted and packed for the fermentation process, which mellows the flavor of the leaf before it is sent to one of Cuba's famous cigar factories. Cigars are rolled by hand by men and women working at long wooden tables.



A good cigar is made from at least five different types of tobacco.

HAVANA

The largest city in the Caribbean, Cuba's capital, Havana, has a population of more than 2 million. It was founded by the Spanish in 1515 and some areas of the city are extremely old, with cobbled streets and elegant colonial buildings. Today, parts of Havana have become run down and in need of improvement. However, housing policies mean there are no shantytowns around the city. Havana is a major port and exports most of Cuba's sugar, tobacco, and tropical fruit.



Sugarcane is a giant grass that needs plenty of rain as well as sunshine.

A dark syrup known as molasses is a by-product of cane juice.

SUGAR INDUSTRY

Sugar has long been important to Cuba and still makes up 75 percent of the country's earnings from exports. By the 1800s, the sugar industry was already booming, fueled by African slaves who worked by hand on the vast colonial plantations. Today, the methods are more modern and the cane is usually cut down by machine or bulldozer. However, the collapse of the Soviet Union led to a steep decline in demand for sugar, and reduced supplies of imported oil. To overcome this crisis, many of the mills started to use *bagasse*, a by-product of sugarcane, to run their machinery.

Find out more

- BREAKUP OF THE USSR: 136
- CITIES: 17, 43
- PEOPLES OF THE CONTINENT: 42
- POLITICAL SYSTEMS: 270–271



JAMAICA

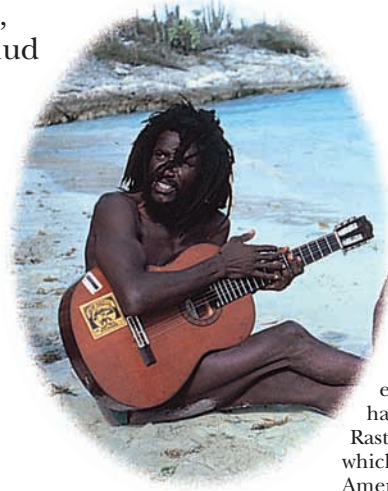
THE BEAUTIFUL ISLAND OF JAMAICA is a place of strong contrasts. On the one hand, there is the relaxed attitude of people enjoying the national passions – cricket and reggae music. On the other hand, there is tension between the few powerful families and the many poor living in violent slums. This side of life is rarely seen by the tourists who flock here each year. In addition to tourism, the mineral bauxite, used to make aluminum, is a valuable source of income. Sadly, the landscape is damaged by the bauxite mines, which leave red mud lakes with an acid content that kills vegetation.

JAMAICA	
Capital city:	Kingston
Area:	4,243 sq miles (10,990 sq km)
Population:	2,700,000
Official language:	English
Major religions:	Christian 55%, other 45%
Government:	Multiparty democracy
Currency:	Jamaican dollar
Adult literacy rate:	88%
Life expectancy:	75 years
People per doctor:	714
Televisions:	182 per 1,000 people



RASTAFARIANISM

The Rastafarian religion began among the poor of Kingston, Jamaica, in the 1930s. Members believe that Haile Selassie, the former emperor of Ethiopia (Ras Tafari), was a god. They also believe that God (Jah) will lead black people back to Ethiopia, the promised land. Rastafarians do not usually eat pork, they are against violence, and wear their hair in long dreadlocks. Their clothes are often green, yellow, and red because these are the colors of the Ethiopian flag.



REGGAE MUSIC

The driving rhythms of reggae music can be heard everywhere across the island. Its songs often tell of hardship and political struggle, and are linked to Rastafarianism. Reggae developed in Jamaica from ska, which was a blend of African, European, and South American styles. Jamaican singer Bob Marley (1945–81) made reggae music popular around the world.



KINGSTON

Jamaica's capital city and chief port, Kingston, is one of the largest urban centers in the Caribbean. Founded by the British, the city first grew as a major port for shipping cane sugar to Europe. However, an earthquake in 1907 damaged the city. It has now been rebuilt with modern hotels, banks, and financial offices. Crowded shantytowns also exist on the western side of the city. Violence frequently breaks out here, connected either to political unrest or to the long-established trade in illegal drugs.

FARMING THE LAND

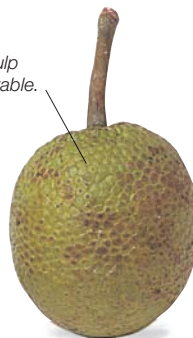
Not everyone in Jamaica works in industry or tourism – agriculture is also important. Plantations growing sugar, bananas, coffee, and cocoa employ large numbers of people. Many Jamaicans also fish for a living or farm their own small plots of land, producing food for themselves, as shown here, with a little left over to sell at local markets.



Okra is used in soups and stews or eaten as a vegetable.



Dasheen is grown for its edible root and leaves.



The breadfruit tree produces fruit with a pulp that is eaten as a vegetable.

ISLAND INDUSTRIES

A variety of industries bring money to Jamaica, from oil refining to clothes manufacturing. Various minerals are mined, with bauxite being the most important. One rapidly growing industry is data processing, which involves typing data into computers and sending it to companies in the US. Unlike many other Caribbean countries, however, Jamaica's data processing companies are mostly owned by Jamaicans, and not by large foreign organizations.



Find out more

ETHIOPIA: 218
GROWTH OF CITIES: 17
RELIGION: 274–275
SUGAR: 52



THE BAHAMAS

THIS LONG LINE OF ABOUT 700 coral islands snakes its way across the warm Caribbean Sea. It was on the island of San Salvador that Christopher Columbus first set foot when he arrived in the “New World” of the Americas in 1492. The Spanish, who called the islands *Bajamar*, meaning “shallow seas,” were followed by British settlers, and the islands remained a British colony until 1973. Today, the islands are a paradise for vacationers of every nationality. They are also a major financial center, because tax laws make it profitable for banks and foreign businesses to have offices here.



JUNKANOO FESTIVAL
At the end of each year, the streets come alive with the dancing and music of the Junkanoo parades. This festival forms a link with the country’s past. It is said that when an African chief, given the name John Canoe (Junkanoo), came here as a slave, he was granted the right to celebrate in true African style.

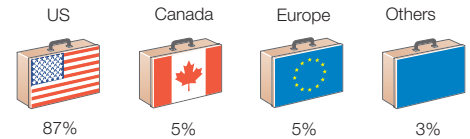
THE BAHAMAS
Capital city: Nassau
Area: 5,382 sq miles (13,940 sq km)
Population: 314,000
Official language: English
Major religions: Christian 83%, other 17%
Government: Multiparty democracy
Currency: Bahamian dollar
Adult literacy rate: 96%
Life expectancy: 70 years
People per doctor: 667
Televisions: 230 per 1,000 people

PUERTO RICO*
Capital city: San Juan
Area: 3,427 sq miles (8,875 sq km)
Population: 3,890,000
Official language: Spanish
Major religions: Christian 85%, other 15%
Government: Multiparty democracy
Currency: US dollar

* Puerto Rico is not an independent country. It is a self-governing commonwealth of the US.



Main overseas tourists 2000



TOURIST DESTINATION

More than five million tourists a year come to relax on the white sandy beaches and in the warm waters of the Bahamas. Tourism is vital to the economy and almost half the local people work in jobs linked to the tourist industry, in hotels, shops, and restaurants. The city of Freeport on Grand Bahama is the largest tourist resort, with a deep-water harbor for cruise ships. However, passengers often eat and sleep on their ships, which does not help the local economy.

PUERTO RICO

SPANISH IS THE MAIN language of Puerto Rico, but the country is strongly American in flavor. Colonized by Spain in the years after Columbus, the Spanish stayed in control until 1898, when the US took over.

The cultivation of tobacco, sugar, and tropical fruits remains important despite the increasing number of factories set up by US manufacturers.

Most people have a good standard of living, with excellent education and health care.



PEOPLE OF PUERTO RICO
Puerto Ricans are mainly of Spanish and African descent. Most live in cities, with one-third in the capital of San Juan. Overcrowding forces others into housing projects outside the main cities. Some people choose to move to the US.



OPERATION BOOTSTRAP

This plan, which began in 1948 with backing from the US, was set up to tackle the island’s economic problems.

Attracted by low taxes and cheap labor, many US companies moved here. Over the years, the plan has helped raise living standards on the island. The main industries include petrochemicals, textiles, and medicines.

Find out more

CORAL ISLANDS: 202
EDUCATION: 277
HEALTH: 276

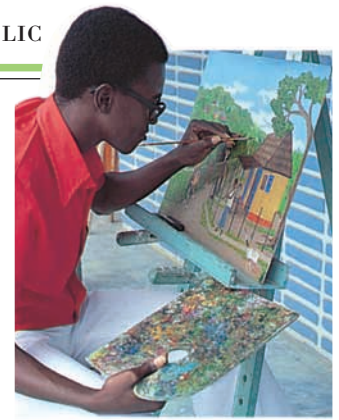
PEOPLES OF THE CONTINENT: 42



HAITI	
Capital city:	Port-au-Prince
Area:	10,714 sq miles (27,750 sq km)
Population:	8,300,000
Official languages:	French, French Creole
Major religions:	Christian 96%, other 4%
Government:	Multiparty democracy
Currency:	Gourde
Adult literacy rate:	52%
Life expectancy:	54 years
People per doctor:	5,000
Televisions:	5 per 1,000 people
DOMINICAN REPUBLIC	
Capital city:	Santo Domingo
Area:	18,815 sq miles (48,730 sq km)
Population:	8,700,000
Official language:	Spanish
Major religions:	Christian 92%, other 8%
Government:	Multiparty democracy
Currency:	Dominican Republic peso
Adult literacy rate:	84%
Life expectancy:	67 years
People per doctor:	455
Televisions:	95 per 1,000 people

HAITI

THE POOREST COUNTRY IN the western world, Haiti shares the island of Hispaniola with the Dominican Republic. A revolution by African slaves in 1791, led by Toussaint L'Ouverture, broke French rule, and Haiti became the first black republic. Recent politics have been turbulent. The long dictatorship of the Duvalier family ("Papa" and "Baby Doc"), gave way to a series of military coups. Political unrest continues and the country suffers from great poverty. Many Haitians practice the religious cult of voodoo, which blends traditional African beliefs with Roman Catholicism. Followers believe in powerful spirits, and dancing to the beat of sacred drums is part of the voodoo ritual.



ART AND CULTURE
Many Haitians try to make extra money by selling craft goods, such as straw hats and woodcarvings, and by acting as unofficial tourist guides. Since the 1930s, artists have been noted for producing simple, bold paintings in a style derived from the decorations in voodoo temples.



SOIL EROSION

Farming is the main occupation here and most Haitians live on small plots of land, growing food and keeping goats. They make very little money and pressure for more land to farm means that trees are constantly being cut down. Some wood is turned into charcoal, shown here, and used as fuel in rural areas. Goats overgraze on the remaining woodland. The exposed soil has now become so severely eroded that crop yields are poor. It has been estimated that one-third of the land in Haiti is no longer arable.

DOMINICAN REPUBLIC

THE LANDSCAPE OF MOUNTAINS and forests in the Dominican Republic may be similar to that of its island neighbor, but other aspects of life are very different. Spain was the main colonial power here and US influences are also strong. The people and the culture are a mix of Spanish, African, and native peoples. The country is rich in natural resources, with deposits of silver, platinum, uranium, and nickel, and one of the world's largest gold mines. However, tourism is by far the most important source of foreign earnings.



SANTO DOMINGO
The capital city of Santo Domingo was founded by Columbus's brother, Bartolomé, in 1496. The city became the main base from which Spain launched its conquest of the region. The city has many recently restored colonial buildings dating back to the 16th century.

	HAITI	DOMINICAN REP.
	12 cars per 1,000 people	66 cars per 1,000 people
	16 telephones per 1,000 people	110 telephones per 1,000 people
	6,288 college students	176,995 college students

THE ECONOMY
People in the Dominican Republic have a better standard of living than those in Haiti, where most cannot even afford health care. The economy is stronger in the Republic because it is boosted by earnings from tourism and mining and by a government that encourages new industries, such as textiles. In recent years vacation resorts have sprung up across the country, creating jobs. Many Haitians come here in search of work.

<i>Find out more</i>	
DICTATORSHIP:	271
PEOPLES OF THE CONTINENT:	42
RELIGION:	274–275
SOIL EROSION:	55, 244

LESSER ANTILLES

THE ISLANDS OF the Lesser Antilles stretch in a gentle curve from the Greater Antilles island of Puerto Rico in the north, down to the coast of South America. Once European colonies, most of the islands are now independent. However, the background of African, European, and Asian influences has resulted in a vibrant and distinctive culture, highlighted in music and festivals. Bananas, which thrive in the heat and high rainfall, remain a major export, although some producers are at risk from hurricanes, which can devastate the land.



ST. KITTS AND NEVIS

Capital city: Basseterre

Area: 101 sq miles (261 sq km)

Population: 38,763

ANTIGUA AND BARBUDA

Capital city: St. Johns

Area: 170 sq miles (442 sq km)

Population: 67,897

DOMINICA

Capital city: Roseau

Area: 291 sq miles (754 sq km)

Population: 69,655

ST. LUCIA

Capital city: Castries

Area: 239 sq miles (620 sq km)

Population: 162,157

ST. VINCENT AND THE GRENADINES

Capital city: Kingstown

Area: 150 sq miles (389 sq km)

Population: 116,812

BARBADOS

Capital city: Bridgetown

Area: 166 sq miles (430 sq km)

Population: 270,000

GRENADA

Capital city: St. George's

Area: 131 sq miles (340 sq km)

Population: 89,258

TRINIDAD AND TOBAGO

Capital city: Port-of-Spain

Area: 1,981 sq miles (5,130 sq km)

Population: 1,300,000



CRICKET

Cricket is the national game of the English-speaking islands. Children learn to play on sun-dried turf that allows the ball to be "bowled" at high speeds. As adults they can play for the West Indies team, drawn from the best players on each island. The team has included many great bowlers and batsmen.

Brian Lara from Trinidad has played for the West Indies cricket team since 1990.



TRANSPORTATION

In the past, people and goods were transported by boat between the islands. Today, ships are still the most economic way to move cargo, and ports, such as Castries in St. Lucia, handle the islands' exports. Most islands have no railroads and main roads are often confined to the coasts, making the interior difficult to reach. Antigua, Barbados, Martinique, and other islands now have large airports capable of handling jumbo jets.



TOURISM

The main industry in the Caribbean is tourism, which provides work for local people in restaurants, hotels, shops, and beach stalls. However the work is mainly seasonal, since most visitors only come to escape cold at home. Also, many hotels are owned by foreign companies, and money does not always remain on the islands. Some local governments are trying to reduce their dependence on tourism.

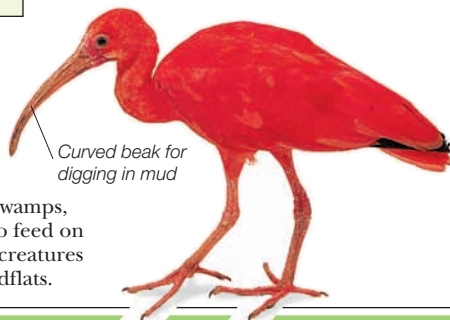


FOOD FROM THE LAND

Because of the shortage of land, most island farms are small. Farmers grow food for themselves, and sell a wide range of crops in local markets, including yams, sweet potatoes, okra, and salad crops, as well as fruits such as mangoes, limes, coconuts, and bananas. They also grow cash crops for export. The main crop varies from island to island, with nutmeg grown in Grenada, coffee in Trinidad, arrowroot in St. Vincent, and sugar and bananas almost everywhere.

SCARLET IBIS

The Caribbean is a haven for colorful bird life, notably the scarlet ibis of Trinidad and Tobago. The ibis lives in the islands' mangrove swamps, flying off during the day to feed on crabs and other small sea creatures that live in the coastal mudflats.



Curved beak for digging in mud

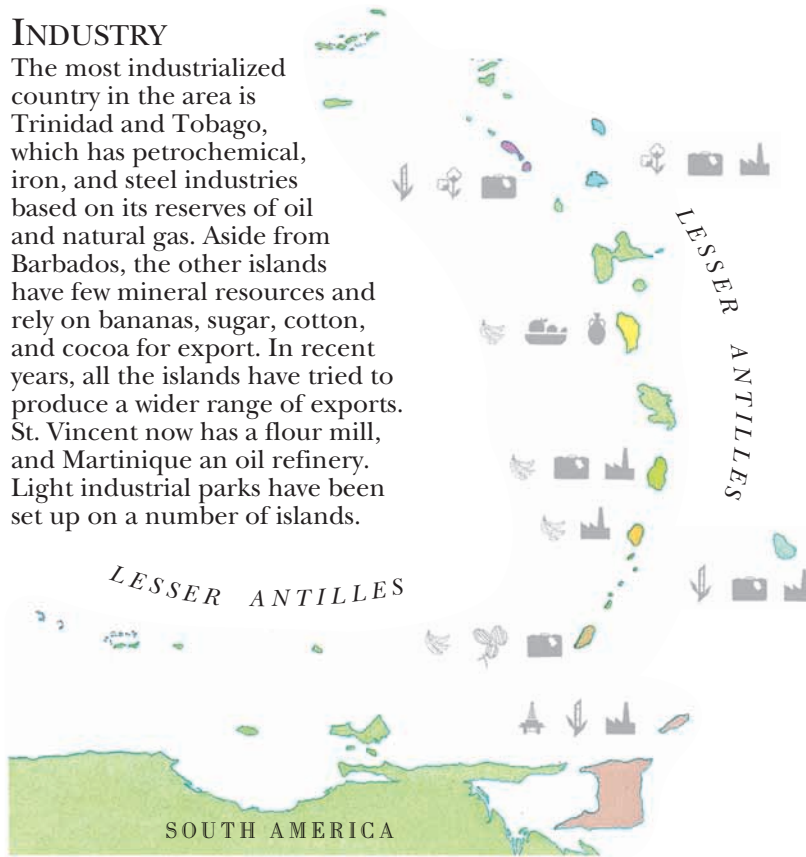


PITCH LAKE

La Brea, in the south of Trinidad, boasts one of the world's most unusual sights. Near the town is a lake filled not with water, but with natural pitch, a black, sticky tar that is mainly used for surfacing roads. The lake, which is 200 ft (60 m) deep, is the world's largest single supply of natural pitch. It is thought to be linked to the underground rocks that supply nearby South America with oil.

INDUSTRY

The most industrialized country in the area is Trinidad and Tobago, which has petrochemical, iron, and steel industries based on its reserves of oil and natural gas. Aside from Barbados, the other islands have few mineral resources and rely on bananas, sugar, cotton, and cocoa for export. In recent years, all the islands have tried to produce a wider range of exports. St. Vincent now has a flour mill, and Martinique an oil refinery. Light industrial parks have been set up on a number of islands.



LESSER ANTILLES INDUSTRIES	
ANTIGUA AND BARBUDA	Tourism, cotton, rum
ST. KITTS AND NEVIS	Sugar, cotton production, tourism
DOMINICA	Bananas, citrus fruits, essential oils
ST. LUCIA	Bananas, tourism, electrical parts
ST. VINCENT AND THE GRENADINES	Tourism, bananas, food processing, cement
BARBADOS	Sugar, tourism, petroleum products
GRENADA	Tourism, bananas, nutmeg
TRINIDAD AND TOBAGO	Oil refining, chemicals, sugar



This steel band is playing music for tourists in Tobago.

ISLAND MUSIC

Almost every Caribbean island resounds with the beat of calypso music, which has its origins in the slave songs brought from West Africa. Calypso has a strong beat and lyrics about social and political problems. In recent years *soca*, a mixture of soul and calypso, has started to become popular with younger people.

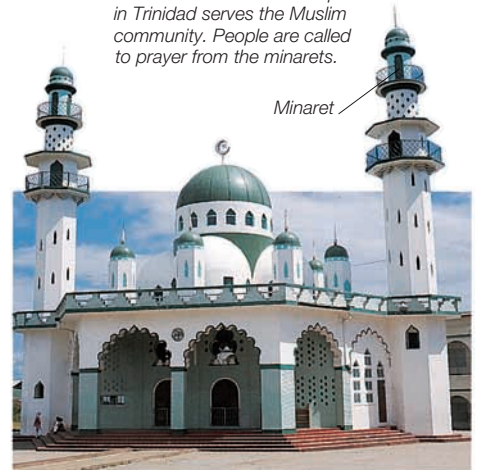
Steel band music originated in Trinidad, using pans or drums made from large oil drums.

ISLAND SPICES

The island of Grenada is the world's second largest producer of nutmeg, after Indonesia, and grows almost one-quarter of the world's total crop. Nutmeg, a spice used to flavor food, originated in the East Indies, and was introduced to Grenada by the Dutch in the 19th century. The trees flourished in the fertile volcanic soil, warm temperatures, and high annual rainfall. Ginger, cinnamon, pepper, and cloves are also grown on the island.



The Jinnah Memorial Mosque in Trinidad serves the Muslim community. People are called to prayer from the minarets.



PEOPLE OF THE CARIBBEAN

Most people who live on the islands are a mixture of descendants of African slaves, Europeans, and local Carib Indians. The exception are the people of Trinidad, where almost 40 percent of the population is originally from the Indian subcontinent. Shipped over to work in the plantations, the immigrants brought their religions with them, setting up Hindu temples and Muslim mosques and continuing to observe their own religious customs.

Find out more

- BANANAS: 48
- HURRICANES: 44
- SPICES: 198, 264
- SUGAR: 52

NORTHERN SOUTH AMERICA

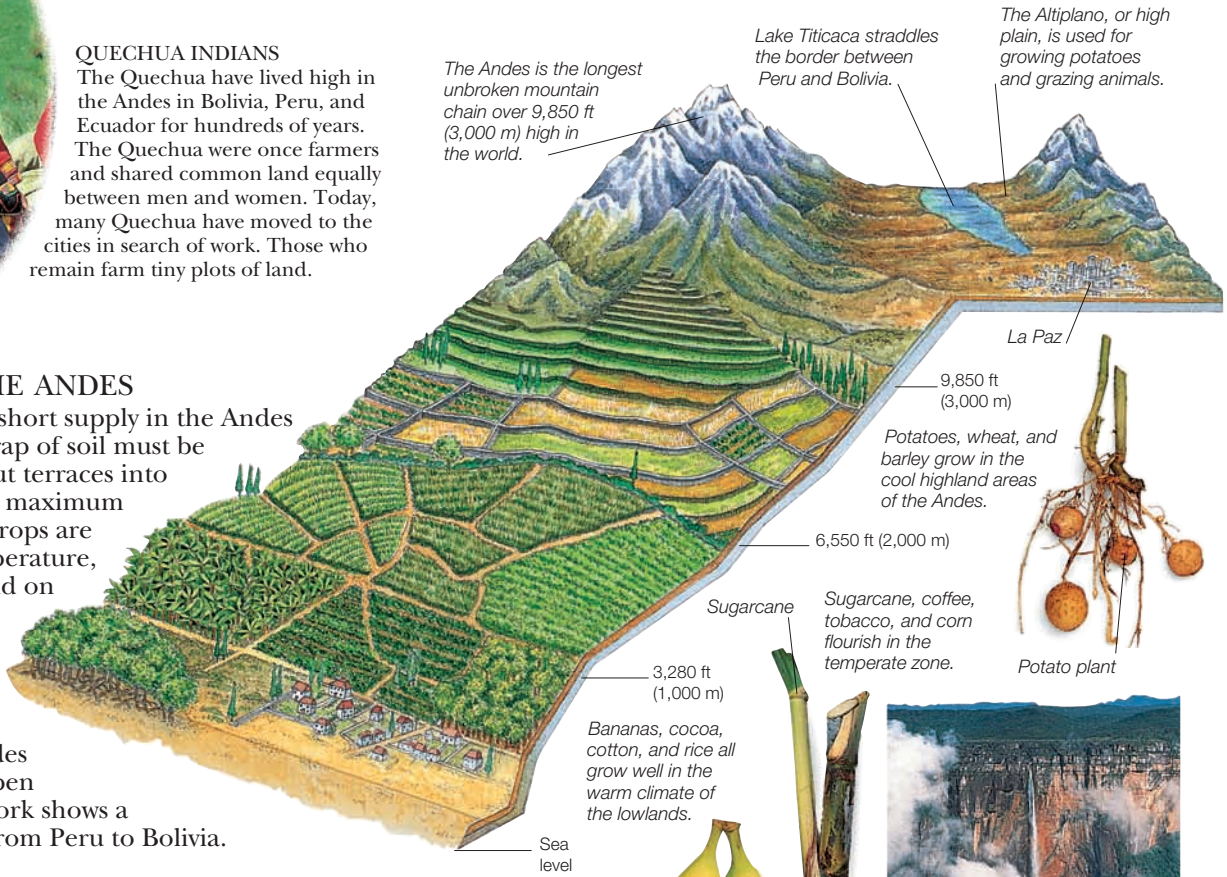
ARCHING AROUND THE RAIN FORESTS of the great Amazon River, the countries in northern South America are dominated by the Andes Mountains. Running north to south from Venezuela to Ecuador, and then through Chile, the mountains were once home to the Inca Empire. In search of gold, the Spanish arrived in the 16th century and carved out a huge empire. British, French, and Dutch colonies were also established in the northeast. Except for French Guiana, these are now independent, although not without problems. Extremes of wealth and poverty, overcrowded cities, and the illegal drug trade are features of most countries in this region.



QUECHUA INDIANS
The Quechua have lived high in the Andes in Bolivia, Peru, and Ecuador for hundreds of years. The Quechua were once farmers and shared common land equally between men and women. Today, many Quechua have moved to the cities in search of work. Those who remain farm tiny plots of land.

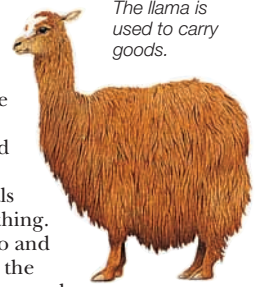
CULTIVATING THE ANDES

Fertile land is in such short supply in the Andes that every available scrap of soil must be used. Farmers often cut terraces into the hillsides to get the maximum use from their land. Crops are grown to suit the temperature, which is hot and humid on the lower slopes near the coast, but gets cooler as the mountains rise upward. On the high plains beyond the Andes only the potato will ripen successfully. This artwork shows a section of the Andes from Peru to Bolivia.



ANIMALS OF THE ANDES

For centuries, the people of the Andes have relied on a group of versatile mammals for food and clothing. The wild guanaco and vicuña, as well as the domesticated llama and alpaca, are treasured for their wool and meat. Vicuña wool is as fine as silk, while coarse llama wool is used to make blankets, ropes, and other goods.



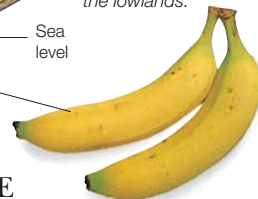
The llama is used to carry goods.

World drug routes



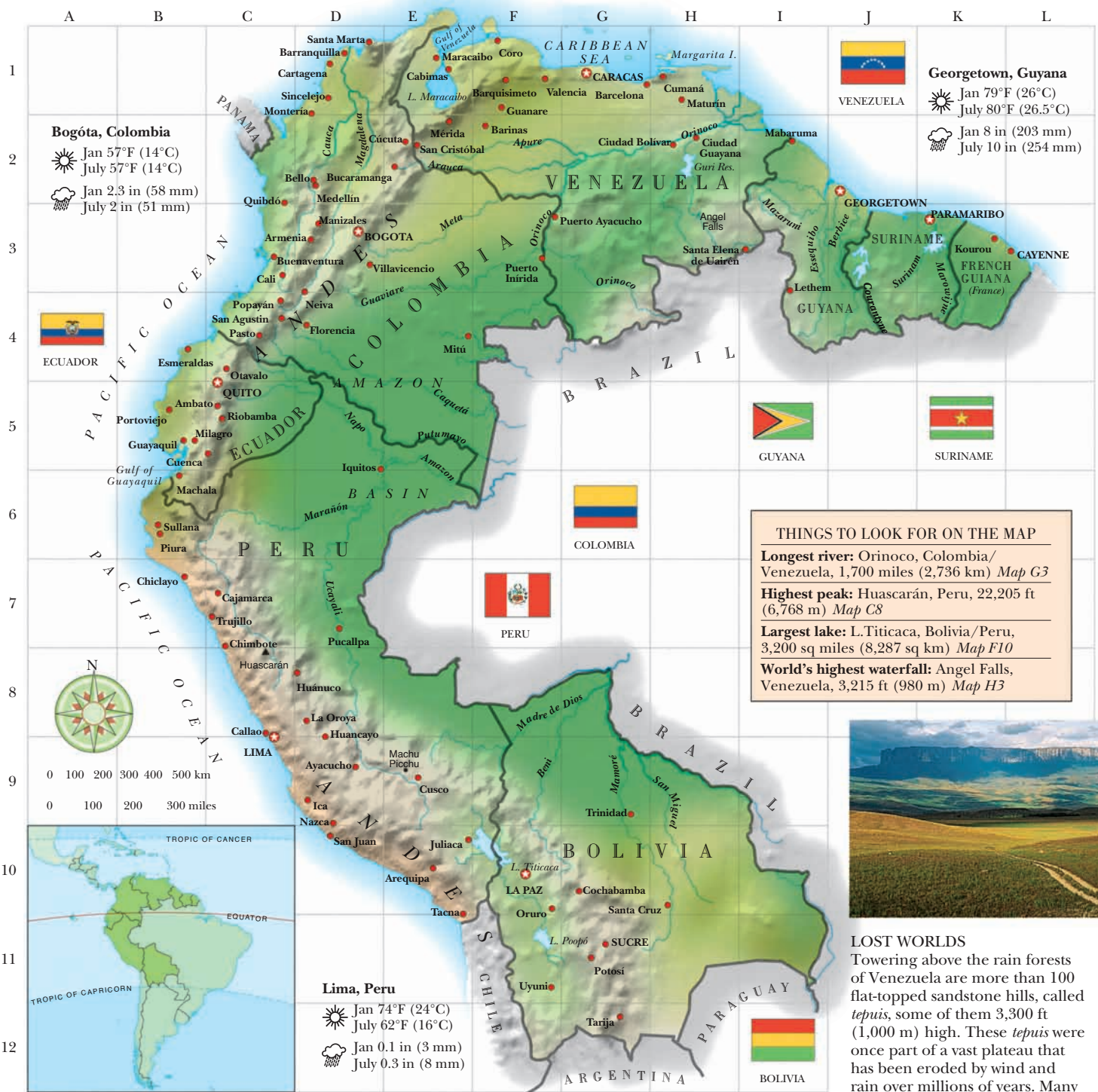
THE DRUG TRADE

For many centuries, people in this region have chewed the leaves of the coca plant to reduce hunger. Today the leaves are processed to make cocaine, an illegal drug much in demand in North America and Europe. Coca bushes thrive on poor soil and need little attention, unlike food crops, which need tending. Growing coca is also more profitable than growing food. As a result, large quantities of coca are grown in isolated areas of the Andes. Once refined into cocaine, the drug is smuggled out of the region.



ANGEL FALLS

Angel Falls is the highest waterfall in the world. It was discovered in 1935 by Jimmy Angel, an American pilot who was flying across Venezuela in search of a river he had once prospected for gold. Instead he flew over a vast waterfall that plunges 3,215 ft (980 m) into the Churún River below.



LOST WORLDS
 Towering above the rain forests of Venezuela are more than 100 flat-topped sandstone hills, called *tepuis*, some of them 3,300 ft (1,000 m) high. These *tepuis* were once part of a vast plateau that has been eroded by wind and rain over millions of years. Many unique plants and animals have evolved in these "lost worlds."



THE CARIBBEAN COASTLINE
 In most of South America, the population is made up of a mixture of European immigrants and the native Indian peoples. But the Caribbean coast and islands are home to a largely black population, like these Colombians. They are the descendants of slaves brought over from Africa to work on the sugar plantations. Many have remained among the poorest members of society.



BORDER DISPUTES
 There is not a country in South America that has not fought with its neighbors, and many frontiers are still disputed today. Wars between Bolivia and Paraguay in the 1930s, and Ecuador and Peru in the 1940s, resulted in thousands of deaths. The checkpoint shown here marks a border crossing between Bolivia and Chile.



VENEZUELA

WHEN THE ITALIAN EXPLORER Amerigo Vespucci first visited the southern shores of the Caribbean Sea in 1499, he named the land Venezuela, or “Little Venice.” The lake dwellings of the native Indians reminded him of the houses and canals of the Italian city of Venice. Part of the Spanish Empire for three centuries, Venezuela became independent in 1811. Today it is a country of huge contrasts: the oil industry produces immense wealth, yet many

VENEZUELA	
Capital city:	Caracas
Area:	352,143 sq miles (912,050 sq km)
Population:	25,700,000
Official language:	Spanish
Major religions:	Christian 99%, other 1%
Government:	Multiparty democracy
Currency:	Bolivar
Adult literacy rate:	93%
Life expectancy:	74 years
People per doctor:	417
Televisions:	185 per 1,000 people



people live in shantytowns. Most people live in cities, yet the tribes of the interior are barely touched by modern life.

SLASH AND BURN AGRICULTURE
In parts of the Amazon rain forest in Venezuela farmers practice a type of agriculture called slash and burn. This is where virgin rain forest is cut down and burned in order to provide farm land. The land cannot sustain being cultivated for long, so after a few years more forest must be destroyed for farmers to continue growing crops.

RAIN FOREST TRIBES

The few native peoples who still survive in Venezuela live in the remote interior of the country near the border with Brazil. The main group is the Yanomami and numbers about 10,000 people. The Yanomami are hunters and gatherers who live in enormous thatched huts called *yanos*, built in clearings in the forest. Their way of life is threatened both by logging companies and mineral prospectors anxious to exploit the wealth of the region, and by measles and other diseases against which they have no defense.

Circular yanos contain between 10 and 20 families, each living in its own section.



Yanos are made from wooden beams covered with palm branches and supported by tall poles; the central part is often open to the sky.



YOUNG VENEZUELA
Out of a total population in Venezuela of 25 million, more than 7 million people are under the age of 15. The majority of them live in the cities of the north. Many enjoy US activities such as playing baseball (introduced by workers in the oil industry) and listening to rock music.



HIGH-RISE CARACAS
For most of its 400-year history, Caracas was a sleepy town 2,950 ft (900 m) up in the hills near the Caribbean coastline. With the discovery of oil, the population rapidly rose from a few thousand to more than 4 million. Today, Caracas is a modern city, with steel and glass architecture, an extensive highway, and a subway system.

Where people live



OIL WEALTH

The discovery of oil in Lake Maracaibo, in 1917, transformed Venezuela from one of the poorest countries in South America to one of the richest. The reserves underneath Lake Maracaibo are the biggest outside of the Middle East; oil-bearing beds of tar by the Orinoco River add to the country’s wealth. Despite these reserves, many people remain poor. Public services and agriculture have been neglected, and the rise and fall in oil prices has affected the economy.

CABLE CAR

Far above the city of Mérida is the world’s highest cable car system. It carries passengers from the city up to 15,600 ft (4,765 m) above sea level. The journey is in four stages and takes more than an hour.

Find out more

- NATIVE PEOPLES: 43
- OIL: 137, 152, 281
- POPULATION GROWTH: 43
- RAIN FORESTS: 15, 69, 204



GUYANA

Capital city: Georgetown
Area: 83,000 sq miles (214,970 sq km)
Population: 765,000
Official language: English
Major religions: Christian 57%, Hindu 33%, Muslim 9%, other 1%
Government: Multiparty democracy
Currency: Guyana dollar
Adult literacy rate: 97%
Life expectancy: 62 years
People per doctor: 5,000
Televisions: 55 per 1,000 people

SURINAME

Capital city: Paramaribo
Area: 63,039 sq miles (163,270 sq km)
Population: 436,000
Official language: Dutch
Major religions: Christian 48%, Hindu 27%, Muslim 20%, other 5%
Government: Multiparty democracy
Currency: Suriname dollar
Adult literacy rate: 94%
Life expectancy: 70 years
People per doctor: 3,333
Televisions: 153 per 1,000 people

FRENCH GUIANA*

Capital city: Cayenne
Area: 34,749 sq miles (90,000 sq km)
Population: 186,917
Official language: French
Major religions: Christian 75%, other 25%
Government: Ruled from France as part of multiparty democracy
Currency: Euro

*French Guiana is not an independent country. It is a French overseas department.

KOUROU

More than 15,000 people live and work at Kourou, the launch site for the European Space Agency. *Ariane* rockets put satellites and probes into space on behalf of European nations.

GUYANA

ONLY ABOUT 765,000 PEOPLE live in Guyana, most of them on the coastal plain in and around the capital city of Georgetown. Guyana takes its name from a native Indian word meaning “Land of Many Waters,” for the country is crossed by numerous rivers draining north into the Atlantic Ocean. Guyana was once a British colony, but gained independence in 1966. Today the country exports sugar and bauxite and also possesses vast natural resources, including lumber and minerals.

THE POPULATION

Most people in Guyana are descendants of workers or slaves brought into the country to labor on the sugar plantations. African slaves were shipped over between the 17th and 19th centuries. After slavery was abolished in the British Empire in 1833, people from the Indian Subcontinent arrived to take their place. The Caribs, the original Indian inhabitants, now number no more than 50,000 people.



SUGAR PLANTATIONS

The Dutch were the first Europeans in Guyana, establishing a settlement on the Essequibo River in 1615. They planted sugar, cocoa, and other tropical crops, importing slaves from West Africa to help them run the plantations. The British took control of the country in 1814 and concentrated on growing sugar. Today sugar, rice, bauxite, and gold are the main exports.

SURINAME

FORMERLY KNOWN AS DUTCH GUIANA, Suriname was originally owned by the British, who exchanged it for the Dutch island of Nieuw Amsterdam, now called Manhattan, in 1667. Suriname became independent from the Netherlands in 1975. Because the country is so poor, about 200,000 Surinamese live in the Netherlands and send money back to support their families at home.

PARAMARIBO

The capital city of Suriname lies just inland from the Atlantic coastline. The Dutch origins of the city can be seen in the Dutch-style architecture and in street names such as Konigstraat. Most of the city is built of wood, including the 19th-century cathedral of St. Peter and St. Paul with its tall spires. Half the population of Suriname lives in Paramaribo.



FRENCH GUIANA

THE ONLY REMAINING colony in South America is French Guiana. For years the colony was famous for its offshore prison on Devil’s Island, but today it is better known for its role in the European space program. The colony is dependent on France for much of its income, and it now has one of the highest standards of living in South America.



The ocelot is an endangered animal.

FORESTS

Most people live on the coast and the interior is largely untouched tropical rain forest. Thousands of different species of flora and fauna, including ocelots, jaguars, and pumas, plus a variety of reptiles, inhabit the forests.

Find out more

DEPENDENT TERRITORIES: 271
 NATIVE PEOPLES: 43
 RAIN FORESTS: 15, 69, 204
 SUGAR: 52

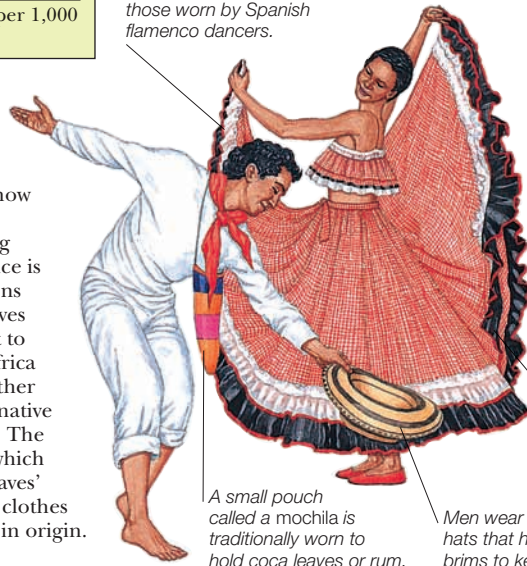


COLOMBIA	
Capital city:	Bogotá
Area:	439,733 sq miles (1,138,910 sq km)
Population:	44,200,000
Official language:	Spanish
Major religions:	Christian 95%, other 5%
Government:	Multiparty democracy
Currency:	Colombian peso
Adult literacy rate:	92%
Life expectancy:	72 years
People per doctor:	833
Televisions:	217 per 1,000 people



CARTAGENA
The bustling port of Cartagena was founded by the Spanish in the 1500s. Great Spanish galleons bound for home set off from here piled high with riches looted from the native peoples. The old city walls, enclosing beautiful mansions and churches, are still there today, along with the many fortifications built by the Spanish to ward off pirates and attacks from other countries.

The women's skirts look like those worn by Spanish flamenco dancers.



A small pouch called a mochila is traditionally worn to hold coca leaves or rum.

Men wear sombreros – hats that have wide brims to keep off the sun.

Skirts have weights in the hems to keep them from swirling too high.



Veins of natural emeralds are found in rocks such as calcite or pyrite.



About 500 statues have been found at San Agustín. Many are shaped like birds or animals.

COLOMBIA

WHEN SPANISH CONQUERORS reached Colombia in 1499, they discovered a civilization that was rich in gold. They spread tales of a mysterious lost city called *El Dorado*, filled with wealth, but it has never been found. Since 1819, when Colombia became an independent country, it has suffered decades of violent political battles and, more recently, bloody rivalry between drug cartels. Today Colombia is the world's largest producer of cocaine. Large rivers, such as the Orinoco and Amazon, form an important means of transportation for goods across the country.

BURIED TREASURE

Mining has become very important to the Colombian economy since large deposits of oil were found northeast of Bogotá. Petrochemical plants, like this one at Barranquilla, convert oil into fuel for cars and planes. New sources of coal, the largest in Latin America, as well as deposits of nickel, are also helping boost the economy. The US, and Venezuela are Colombia's main trading partners.



THE CUMBIA
All Colombians know how to dance the *cumbia*, even young children. The dance is a blend of traditions from the black slaves who were brought to Colombia from Africa in the 1800s, together with Spanish and native Indian influences. The men wear white, which was the color of slaves' clothes. Women's clothes are more Spanish in origin.

AGRICULTURE

The variety of climate zones in Colombia means that a wide range of crops can be grown. For many years coffee was the country's main export and Colombia is still the world's third largest producer. Once picked, coffee beans are spread out in trays to dry naturally in the sun. Falling world coffee prices have forced Colombia's farmers to develop other products, such as sugar, bananas, cotton, and cut flowers, which are all grown for export.



EMERALDS

Many people consider Colombian emeralds to be the finest in the world. The earliest civilizations to live in this region made beautiful objects from gold and emeralds. Today, Colombia produces more than half of the world's emeralds.

SAN AGUSTIN

This small village near the southern mountains is famous for its ancient stone figures. The statues are at least 800 years old, but very little is known about the people who carved them. Some experts believe that the site was a ceremonial center where the Agustínians buried their dead, placing statues near the tombs.

Find out more

- COFFEE: 50, 66
- DRUG TRADE: 58
- GEMSTONES: 172, 191
- OIL: 137, 152, 281



ECUADOR

CUT THROUGH BY THE EQUATOR, after which it is named, Ecuador is a small country with a varied landscape. A journey of just 125 miles (200 km) takes you from humid coastal lowlands, up into the cold air of the Andes, and down into tropical rain forest. Ecuador also includes the Galápagos Islands, which lie about 620 miles (1,000 km) west in the Pacific Ocean. Ecuador has large reserves of oil and natural gas, and these products account for nearly half of the country's export earnings.



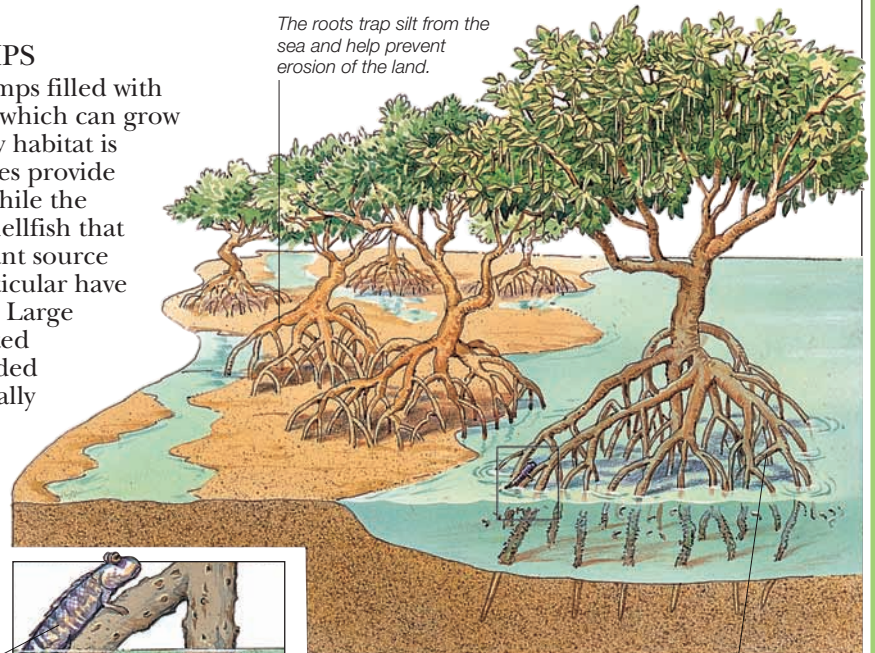
COTOPAXI

Ecuador is home to the notorious “volcano boulevard” – four rows of volcanic mountains that form part of the Andes chain. At least 10 of them are still active. One of the most famous is Cotopaxi. At a towering 19,348 ft (5,897 m) in height, this is one of the world's tallest active volcanoes. It last erupted in the early 1900s.

ECUADOR	
Capital city:	Quito
Area:	109,483 sq miles (283,560 sq km)
Population:	13,000,000
Official language:	Spanish
Major religions:	Christian 95%, other 5%
Government:	Multiparty democracy
Currency:	US dollar
Adult literacy rate:	91%
Life expectancy:	70 years
People per doctor:	588
Televisions:	293 per 1,000 people

MANGROVE SWAMPS

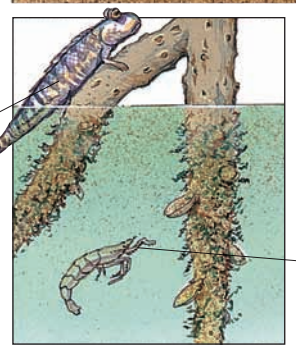
Along the coast are swamps filled with trees called mangroves, which can grow in salt water. This watery habitat is very important – the trees provide firewood and lumber, while the fish, crustaceans, and shellfish that live here are an important source of food. Shrimps in particular have become a major export. Large shrimp farms have created thousands of much-needed jobs, but they are gradually destroying the coastal environment on which they depend.



The roots trap silt from the sea and help prevent erosion of the land.

At high tide, the sea comes in and covers the roots.

The mangroves' tangled roots spread far and wide, some even emerging above water to trap oxygen.



Mudskippers are the only fish that can live on land and in the water.

Swamp water is usually very muddy.

Shrimps are washed in with the tide. They feed on plankton.



AGRICULTURE

Twenty years ago, Ecuador's economy was based on three crops: bananas, coffee, and cocoa. Today, agriculture is less dominant, but about a third of the workforce still makes a living from farming. Fishing is also important, with shrimps, sardines, and tuna among the main catches. A recently introduced crop is cut flowers, such as roses, carnations, and statice, which are exported to North America and Europe.

Panama hats are made from the leaves of the jipijapa plant.



PANAMA HAT

Panama hats have never been made in Panama. They come from Ecuador, where they were originally made for export to Panama – hence the name. A good-quality hat takes three months to make and can be rolled up without being ruined.

THE OTAVALO INDIANS

The town of Otavalo, high in the Andes, is home to one of the wealthiest groups of Indians in South America. The Otavalo make blankets, ponchos, rugs, and other woven goods, which they sell to tourists and export all over South America, the US, and Europe.



Demand for Otavalo goods is so great that many of them are now mass-produced, using artificial dyes and fibers and machines for weaving. The money raised allows the Otavalo to continue their traditional way of life.

Otavalo rug, decorated with llamas



Otavalo market is so popular with tourists that it now occupies all five squares in the center of town.

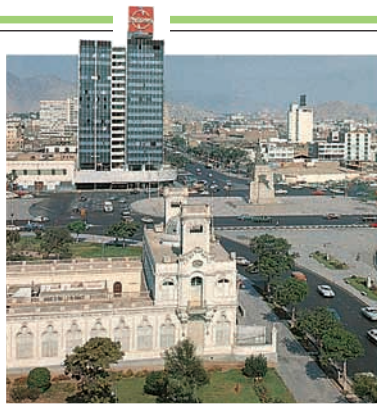
Find out more

- ANDES: 40, 58
- GALÁPAGOS ISLANDS: 265
- NATIVE PEOPLES: 43
- VOLCANOES: 13



PERU

Capital city: Lima
Area: 496,223 sq miles (1,285,200 sq km)
Population: 27,200,000
Official languages: Spanish, Quechua, and Aymará
Major religions: Christian 95%, other 5%
Government: Multiparty democracy
Currency: New sol
Adult literacy rate: 85%
Life expectancy: 70 years
People per doctor: 1,111
Televisions: 144 per 1,000 people



LIMA

Gray skies and damp mists hang over Lima for much of the year. But the population of Peru's capital city has grown rapidly to more than 6 million as people have flocked there in search of work. Although the rich live in new apartment buildings or suburban houses, the poor survive in *calampas*, huge, overcrowded shantytowns that have sprung up on the outskirts. Lima was founded in 1535 by the Spaniard Francisco Pizarro.

PERU

FOUR HUNDRED YEARS AGO, Peru was the center of the great Inca Empire, which stretched the length of South America. Descendants of the Incas still continue their traditional way of life in the Andes Mountains, and make up about half of Peru's population. In recent years, unemployment, poverty, and other social problems have led to much political violence in Peru. This has prevented foreign investment in Peru and kept it one of the poorest countries in South America.



PACIFIC FISHING

Peru's coastal waters are teeming with plankton, which provide food for anchovies, sardines, pilchards, and mackerel. Anchovies, caught and processed into fish meal, are a major export. Every nine or 10 years a current of warm water, called *El Niño*, upsets the balance of plankton, and the fish move to better feeding areas. It struck throughout the 1990s, devastating the fishing industry.

The islands are built from layers of reeds that rot away at the bottom and are replaced at the top.

New reeds are cut and stacked, ready for use.

Villagers grow potatoes in fields by the lake.

The Urus build their homes and boats from the totora reeds that grow at the edge of the lake.



Women untangling fishing nets

Remains of the city of Machu Picchu



LAKE TITICACA

Lying 12,500 ft (3,810 m) above sea level, Lake Titicaca is the world's highest navigable lake. It stretches across the border of Peru and into Bolivia. For thousands of years, native peoples have fished its waters. One group, the Urus, live on the lake in villages built on huge rafts made from reeds. They grow potatoes (one of the few crops that will ripen at such high altitudes), catch fish, and hunt birds that live by the lake.

Women wear their hair in a single braid, which they tuck into their hats.



The Urus build boats from tightly bundled reeds. A well-built boat can last a family up to six months.

SHINING PATH

During the 1980s a guerilla group called the Shining Path conducted a terrorist campaign in Peru. The group wanted to introduce a communist government and proceeded to terrorize the country. They were able to assassinate people and bomb targets in Peru's cities. Their leader, Abimael Guzmán, was captured in 1992 and later imprisoned.



THE LOST CITY OF THE INCAS

Perched high in the Andes, Machu Picchu was an important Inca city in the 15th and 16th centuries. This fortress city escaped the notice of the Spanish conquerors who arrived in 1532, and it remained a "lost city" until it was rediscovered by American archeologist Hiram Bingham in 1911. The site includes the remains of ceremonial buildings, such as temples, and 143 homes.

Find out more

- ANDES: 40, 58
- CITIES (OVERCROWDING): 17
- NATIVE PEOPLES: 43
- POTATOES: 140



BOLIVIA

THE SMALL, MOUNTAINOUS country of Bolivia has no coastline. In 1883, its coastal region was lost to Chile in the Pacific Wars, and now its main means of export are roads and railroads through Peru and Chile. Bolivia has many resources, such as silver and tin, but its isolated position and many changes of government have kept it poor. About 70 percent of the population is made up of Aymará and Quechua Indians who live on the high windswept plains, called the *altiplano*, growing barely enough food to feed themselves and their families.

SIMÓN BOLÍVAR
Bolivia is named after Simón Bolívar (1783–1830), the Venezuelan freedom fighter known as “The Liberator.” From 1812, Bolívar devoted his life to freeing South America from Spanish control. He liberated New Granada (Colombia), Venezuela, Ecuador, Panama, and finally Bolivia, then known as Upper Peru. Bolívar dreamed of a united South America, but his dream has not come true.



BOLIVIA	
Capital cities:	La Paz, Sucre
Area:	424,162 sq miles (1,098,580 sq km)
Population:	8,800,000
Official languages:	Spanish, Quechua, and Aymará
Major religions:	Christian 95%, other 5%
Government:	Multiparty democracy
Currency:	Boliviano
Adult literacy rate:	87%
Life expectancy:	64 years
People per doctor:	769
Televisions:	116 per 1,000 people



It is cold living on the high plains of Bolivia. The soil is poor. Villagers break up the ground to sow potatoes.

LIFE ON THE HIGH PLAINS

Life is hard for the Aymará Indians, many of whom live in villages without electricity or plumbing. Most are poor farmers who grow potatoes as well as corn and barley stalks to feed their cows, sheep, and chickens. Sometimes they have to kill one of their animals for food. Llamas provide wool for warm clothing and llama droppings are used as fuel. Aymará women and girls wear dark green, black, or brown hats.



This lamb will later provide milk for the family.

Many Aymará wear plastic shoes, called ojotas.



Tin

Silver

MINING

Bolivia is rich in tin, silver, lead, zinc, and other minerals. Tin mining is an important industry and, even though production has fallen, Bolivia still ranks among the world’s top five tin producers. Thousands of people work in the mines, but conditions are dangerous and wages are low. Many miners believe that a spirit, called *El Tio*, lives in the mines, and they leave cigarettes as offerings for him.



FESTIVAL IN THE SUN

Although Bolivia is Roman Catholic, many traditional beliefs still survive. The Isla del Sol (Island of the Sun) in Lake Titicaca is thought to be the birthplace of the Sun and is the location for the celebration shown here. Music is important at Bolivian festivals, when pan-pipes, drums, and brass instruments are played.



Traditional pan-pipes are made from reeds.

COCA GROWING

The leaf of the coca plant is used in the production of the illegal drug cocaine. Coca grows well in Bolivia’s mountain valleys and provides a much-needed source of income for local people. The government has tried to stop coca production by offering farmers money to destroy their plantations and grow other crops, such as coffee, cocoa, or bananas, instead. However, this policy has not succeeded, and coca is still Bolivia’s main crop.



Loose seeds inside the maracas make a noise when they are shaken.



Maracas are pairs of rattles made from dried gourds.

Find out more	
DRUG TRADE:	58
LLAMAS:	58
NATIVE PEOPLES:	43
ROMAN CATHOLICS:	274

BRAZIL

THE LARGEST COUNTRY in South America, Brazil covers almost half the continent. From the 16th to 19th centuries it was ruled by the Portuguese, who named it after the brazilwood tree. The country contains deserts in the northeast, rain forests in the north and west, and rolling grasslands in the south. Because the climate is so varied, it is possible to grow almost any crop. Brazil has crowded modern cities – and areas that have never been explored. In the south, the forces of the Paraná and Paraguay rivers have been harnessed to form the one of the world’s largest hydroelectric projects, the Itaipú Dam.



CITY LIFE

About 80 percent of Brazilians live in cities, most of which have developed near the coast. Over the years, many people have moved to the cities from the countryside in search of work and a better standard of living. For many years the cities grew rapidly, although this has now slowed down. More than 20 million people live in or around the city of São Paulo, more than the populations of London and Paris put together.

TOP CITIES BY POPULATION	
São Paulo	10,677,019
Rio de Janeiro	5,974,081
Salvador	2,566,429
Belo Horizonte	2,305,812
Fortaleza	2,256,233

PEOPLE OF BRAZIL

The population of Brazil is a mixture of peoples. Some are descended from native Indians who have always lived in Brazil, others from the Portuguese who ruled there for 300 years. Many Brazilians have African ancestors who were brought over in the 17th century to work as slaves on the sugar plantations. At the beginning of the 20th century many Japanese sailed to Brazil to escape crop failures at home. Also during the 20th century, large numbers of European migrants settled in the south of the country.



This Brazilian girl is of African descent.

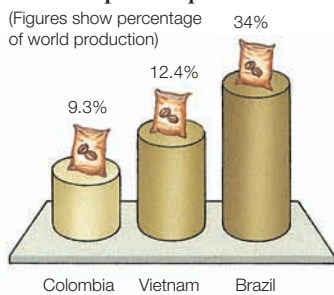
This boy has both Portuguese and African ancestors.

The girl in the middle is a rain forest Indian from the Tembê tribe.

The homes in this shantytown in São Paulo are built from wood and corrugated metal.



World’s top coffee producers



AGRICULTURE

Brazil is the world’s major producer and exporter of coffee, which is grown on huge plantations, mostly in the states of Paraná and São Paulo. However, coffee is only one of the country’s main crops; soy beans, sugarcane, and cotton are also produced on a large scale. Brazil is one of the world’s main producers of oranges, bananas, and cocoa beans as well. About one-quarter of Brazilians work in agriculture, although the size of farms varies from tiny plots of land to vast estates. Many people work in the fields for little pay, while a few rich landowners benefit from huge profits.

SHANTYTOWNS

Housing shortages in Brazil mean that about 25 million people live in sprawling shantytowns called *favelas* that surround the cities. Most of the homes are built by the families themselves, sometimes from waste materials, but more often from wood, bricks, and cement bought from hardware stores. Services such as running water and sanitation are poor.

Favela homes



SOCCKER

Everyone in Brazil plays or watches soccer, and there is a stadium in every city. The huge Maracana Stadium in Rio de Janeiro was built for the 1950 World Cup and holds 200,000 spectators. Brazil has won the World Cup more times than any other country, most recently in 2002. Many Brazilian stars play soccer abroad for teams in England, Spain, and Italy.



THINGS TO LOOK FOR ON THE MAP

Longest river: Amazon, Brazil/Peru, 4,001 miles (6,439 km) *Map G3*

Highest point: Pico da Neblina, 9,888 ft (3,014 m) *Map C3*

World's largest lagoon: Lagoa dos Patos, 3,917 sq miles (10,145 sq km) *Map G12*

Manaus

☀ Jan 82°F (27°C)
 ☀ July 82°F (27°C)

☁ Jan 9.8 in (249 mm)
 ☁ July 2.3 in (58 mm)

Porto Alegre

☀ Jan 77°F (25°C)
 ☀ July 57°F (14°C)

☁ Jan 3.5 in (89 mm)
 ☁ July 4.5 in (114 mm)

PIRANHA FISH
 These vicious fish live in the rivers of the rain forest. They have razor-sharp teeth and, when hundreds of them attack together, can kill and strip a large animal in minutes.



The Amazon and its tributaries, swamps, and lakes form a vast network of freshwater.

AMAZON

The Amazon River starts life in the Andes Mountains of Peru and flows for 4,001 miles (6,439 km) across South America until it gushes into the Atlantic Ocean. For more than half of its length, the Amazon flows through Brazil. It is the country's most important waterway, and large boats can travel inland as far as the modern city of Manaus, about 994 miles (1,600 km) from the sea. Every year the river floods and deposits fertile silt on the land.



FUN IN THE SUN

Brazil's eastern coastline stretches 4,598 miles (7,400 km) along the Atlantic Ocean. In Rio de Janeiro, local people and tourists flock to the wide, sandy beaches to meet friends and play volleyball. The most popular beach in Rio de Janeiro is Copacabana, which is overlooked by Sugarloaf Mountain. Only good swimmers brave the waves though, because of strong currents.

BRAZIL



BRAZIL	
Capital city:	Brasília
Area:	3,286,470 sq miles (8,511,965 sq km)
Population:	179,000,000
Official language:	Portuguese
Major religions:	Christian 90%, other 10%
Government:	Multiparty democracy
Currency:	Réal
Adult literacy rate:	82%
Life expectancy:	69 years
People per doctor:	769
Televisions:	215 per 1,000 people

BOOM AND BUST BEST DESCRIBES the pattern of the economy in Brazil. In the 1960s and 1970s the country enjoyed a period of massive industrial growth. Then the boom ended, Brazil went bust, and the country became the world's greatest debtor. Paying back the loans is now the government's biggest problem. But Brazil has a great supply of natural resources, including gold and iron ore, and mining is one of the country's most important industries. Brazil is both a rich and poor country. Some landowners and business people are extremely wealthy, but most of the rural population is very poor. Although there has been a democratic government since 1985, corruption is still a problem in Brazilian politics.



CARNIVAL

For four days and nights before Lent each year (February or March), it is carnival time in Brazil. People come from all over the world to join the celebration in Rio de Janeiro, where there are street parties, balls, and a contest for the best costume. Day and night the streets are crammed with people in wonderful costumes moving to the rhythm of music. A parade of brightly colored floats, organized by neighborhood samba schools, is the highlight of the carnival.

FOOD FROM BAHIA

The state of Bahia in northeastern Brazil was the first to be colonized by Europeans. Later, black slave cooks created lots of tasty dishes using fish mixed with spices from their native Africa. Along the beaches of Bahia, women still sell these dishes as well as snacks of coconut candies and delicious spicy fish patties.



Electrical goods such as refrigerators, washing machines, and food mixers

Leather goods such as bags, shoes, jackets, tennis shoes, and soccer balls



Textiles of cotton and silk, and finished goods including towels and sports clothes



Agricultural produce, including oranges, tangerines, lemons, and limes



GREEN FUEL

In the 1970s, the rising cost of oil forced Brazil to look for an alternative fuel. Researchers came up with ethanol, a fuel made from fermented sugarcane. Ethanol is cheaper than ordinary gasoline and produces less carbon monoxide, which is much better for the environment. Today, about one-third of Brazil's cars run on this "green fuel."



RELIGION

Almost all Brazilians are Roman Catholic, the religion the Portuguese brought with them, and every town and village has its own patron saint to protect it. Millions of Brazilians also exercise their right to freedom of belief, and worship gods and spirits from African religions. In December and January, for example, people leave gifts of flowers, soap, and fruit on the beaches in honor of *Iemanjá*, the African goddess of the sea, who they hope will grant their wishes for the new year. The goddess is linked with the Catholic Virgin Mary.

AMAZON RAIN FOREST

Covering an area the size of Australia, the Amazon rain forest is the largest remaining tropical rain forest anywhere on Earth. It covers about one-third of South America, mostly growing around the Amazon River in Brazil. Many animals, birds, insects, and reptiles rely on the trees for food and shelter, as do the tribes of Amazonian Indians who have lived in the forest for thousands of years. But the rain forest is a fragile environment and both wildlife and people are under serious threat as vast areas of the forest are cut down.

Native Indian homelands

This village chief is from the Temb  tribe.



INDIAN TRIBES

At one time there were about 5 million native Indians living in the rain forest; today, only about 220,000 remain. The largest of these tribes are located on the above map. Most live as shifting cultivators, which means they settle for a while to hunt and grow basic food crops, and then move on. This way the forest soil can recover its fertility. Since the arrival of people from outside the forest, the Indians have been at risk from diseases, such as influenza and measles, to which they have no resistance.



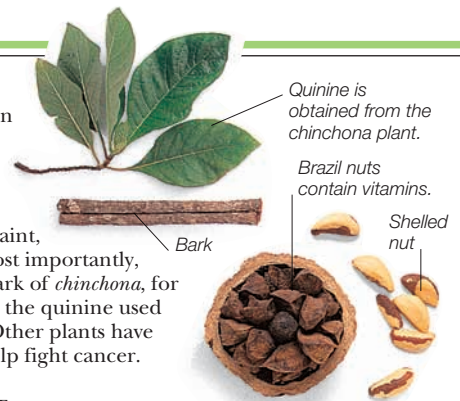
MINING

In the last 20 years large deposits of gold and other minerals have been discovered in the Amazon rain forest. At Carajas, a huge iron mountain was accidentally discovered when a geologist crash-landed his helicopter. The rock contains massive amounts of iron ore, as well as manganese and copper. Mining is one of Brazil's major industries, despite the damage it does to the rain forest.



PLANT POWER

The forests contain plants that provide the basis for many valuable products, such as rubber, varnish, paint, cosmetics, and most importantly, medicines. The bark of *chinchona*, for example, supplies the quinine used to treat malaria. Other plants have properties that help fight cancer.



Quinine is obtained from the *chinchona* plant.

Brazil nuts contain vitamins.



LOSS OF FOREST

Vital areas of forest are lost through logging, cattle ranching, and relocation (moving people). Building roads also opens up the interior to further destruction. If the present rate of deforestation continues, there will be no forest left by the end of the century.

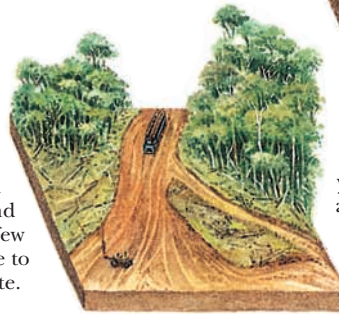
RELOCATION

The Brazilian government recently cleared large areas of forest and encouraged landless people to buy small plots of land for farming. But the soil is shallow and rapidly loses its fertility.



CATTLE BREEDING

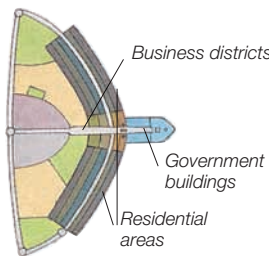
About 30 percent of Brazil's rain forest has been cut down for cattle ranches. But the land can only support cattle for a few years. Then the ranchers have to move on and clear another site.



LOGGING

Thousands of ebony, teak, and mahogany trees are cut down each year for export. People are now encouraged to buy furniture made of softwoods, such as pine, which take less time to regrow.

Plan of Brasilia



BRASILIA

The city of Brasilia was built in the late 1950s as part of a government program to encourage people to move into the interior of the country. It became Brazil's capital in 1960, taking over from Rio de Janeiro. The city is laid out in the shape of an airplane, with the business district in the center, residential areas in the wings, and the government in the cockpit. Bold architecture, such as the glass cathedral shown here, is a feature of this modern city.



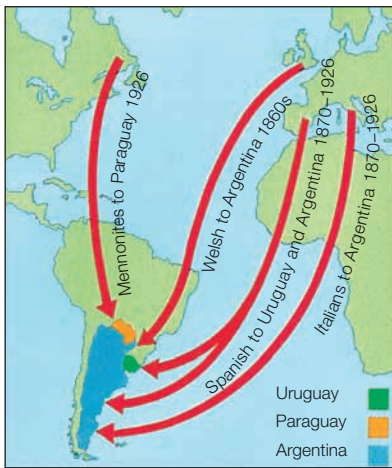
Find out more

CITIES: 17, 43
COFFEE: 50, 62
RAIN FORESTS: 15, 204
ROMAN CATHOLICS: 274

SOUTHERN SOUTH AMERICA

FROM THE TROPICAL INTERIOR OF Paraguay, through the warm Mediterranean climate of central Chile, to the freezing conditions around the glaciers of Argentina, southern South America is a region of great contrasts. Four countries – Chile, Argentina, Paraguay, and Uruguay – make up this half of the continent, often called the “southern cone” because of its shape. An important land resource is the pampas, a vast fertile plain that stretches across Argentina and Uruguay, where huge quantities of wheat are grown. During the 1970s, all four countries were known for their brutal military dictatorships. These have since been overturned, and the countries are now run as democracies.

Main migration routes from 1860–1926



MIGRANT GROUPS

Many people from Europe have settled in South America. During the 19th and early 20th centuries, poverty in Italy drove laborers to Argentina for the wheat harvest; many never went home. Workers also left Spain for Argentina and Uruguay. A German religious group, the Mennonites, moved to Paraguay from Canada to find freedom of worship, and the Welsh set up a community in Argentina to escape English rule and preserve their language.



CATTLE BREEDING

In Argentina and Uruguay, cattle breeding for beef exports is a major source of income. Vast herds of cattle graze the pampas, many feeding on alfalfa plants, which produce a leaner meat. The main breeds are Aberdeen Angus and Herefords, brought over from Europe during the last century. Sheep are grazed in the cooler area of Patagonia, and both Argentina and Uruguay are among the world’s top wool-producing nations.



ATACAMA DESERT

This desert in northern Chile is the driest place on Earth, often with no rain for years on end. When rain does fall, devastating flash floods are often the result. The Atacama is a barren wilderness of sun-baked rock and shifting sand dunes where the nighttime temperature can fall dramatically in just one hour. The only paved road across this desolate desert is the Pan-American Highway.



INDIAN PEOPLES

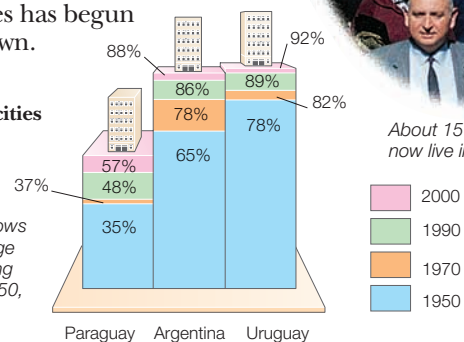
Unlike northern South America, the countries in the south have only a few native Indian groups, with Paraguay home to the largest proportion. Uruguay has no Indian population at all. The main surviving groups include the Kolla of Argentina, shown here, the Mataco and Mapuche of central and southern Chile, and the Ache, who live in Paraguay.

WHERE PEOPLE LIVE

In the past 50 years there has been a great shift as people have moved from the country to the cities in search of work. In Argentina and Uruguay, city populations were already swollen by large numbers of immigrants. In each country, the capital city has grown very quickly while the population in other cities has remained fairly small. Almost 40 percent of Argentinians, for example, live in the capital city of Buenos Aires, shown here. Since the 1970s, the move to the cities has begun to slow down.

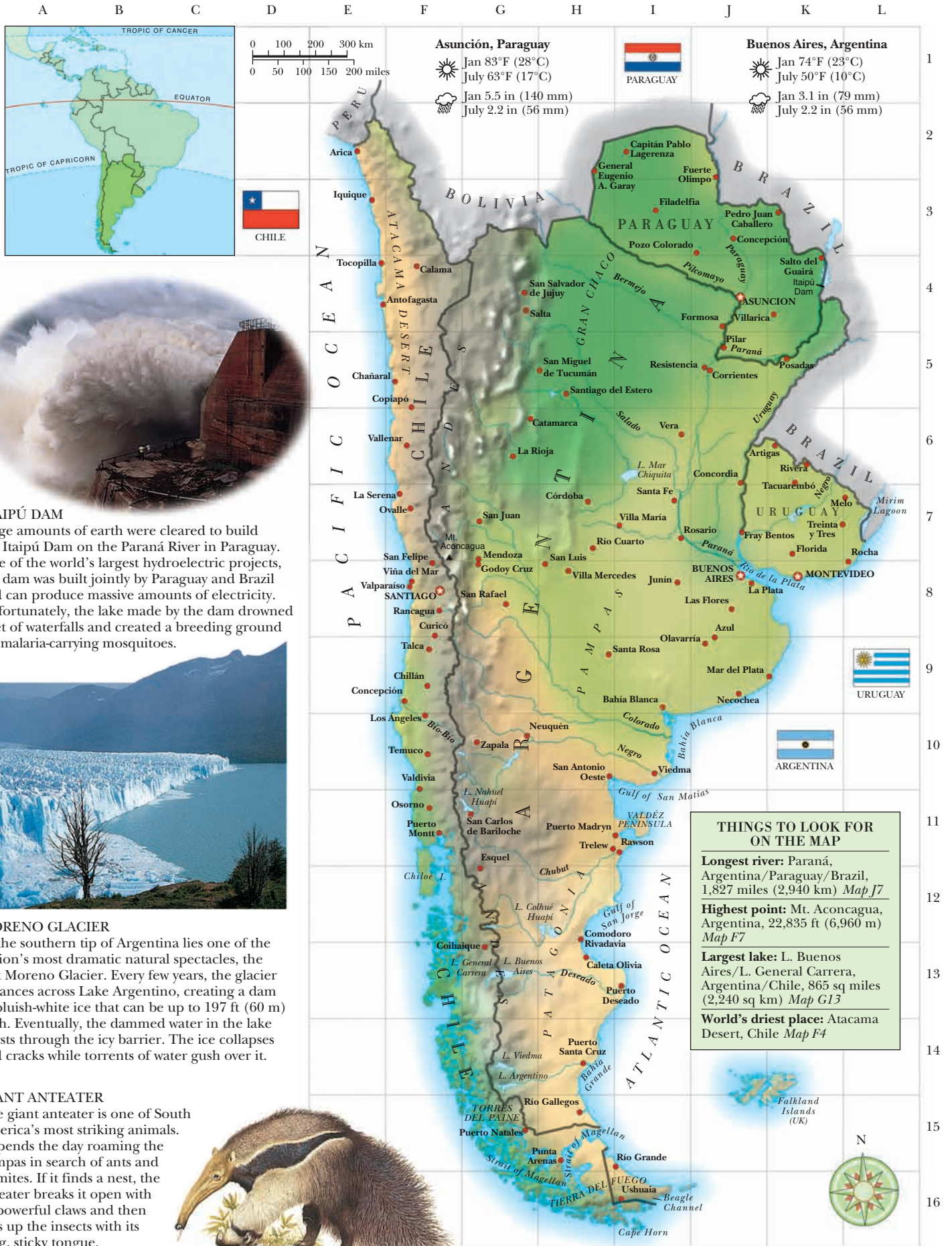


Growth of cities



The chart shows the percentage of people living in cities in 1950, 1970, 1990, and 2000.

About 15 million people now live in Buenos Aires.



Asunción, Paraguay
 ☀ Jan 83°F (28°C)
 ☀ July 63°F (17°C)
 ☁ Jan 5.5 in (140 mm)
 ☁ July 2.2 in (56 mm)

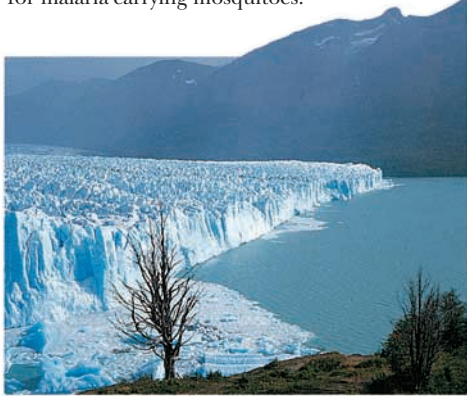
Buenos Aires, Argentina
 ☀ Jan 74°F (23°C)
 ☀ July 50°F (10°C)
 ☁ Jan 3.1 in (79 mm)
 ☁ July 2.2 in (56 mm)

THINGS TO LOOK FOR ON THE MAP

- Longest river:** Paraná, Argentina/Paraguay/Brazil, 1,827 miles (2,940 km) *Map J7*
- Highest point:** Mt. Aconcagua, Argentina, 22,835 ft (6,960 m) *Map F7*
- Largest lake:** L. Buenos Aires/L. General Carrera, Argentina/Chile, 865 sq miles (2,240 sq km) *Map G13*
- World's driest place:** Atacama Desert, Chile *Map F4*



ITAIPIÚ DAM
 Huge amounts of earth were cleared to build the Itaipú Dam on the Paraná River in Paraguay. One of the world's largest hydroelectric projects, the dam was built jointly by Paraguay and Brazil and can produce massive amounts of electricity. Unfortunately, the lake made by the dam drowned a set of waterfalls and created a breeding ground for malaria-carrying mosquitoes.



MORENO GLACIER
 At the southern tip of Argentina lies one of the region's most dramatic natural spectacles, the vast Moreno Glacier. Every few years, the glacier advances across Lake Argentino, creating a dam of bluish-white ice that can be up to 197 ft (60 m) high. Eventually, the dammed water in the lake bursts through the icy barrier. The ice collapses and cracks while torrents of water gush over it.

GIANT ANTEATER
 The giant anteater is one of South America's most striking animals. It spends the day roaming the pampas in search of ants and termites. If it finds a nest, the anteater breaks it open with its powerful claws and then laps up the insects with its long, sticky tongue.





URUGUAY

Capital city: Montevideo**Area:** 68,039 sq miles (176,220 sq km)**Population:** 3,400,000**Official language:** Spanish**Major religions:** Christian 68%, Jewish 2%, other 30%**Government:** Multiparty democracy**Currency:** New Uruguayan peso**Adult literacy rate:** 98%**Life expectancy:** 75 years**People per doctor:** 270**Televisions:** 214 per 1,000 people

PARAGUAY

Capital city: Asunción**Area:** 157,046 sq miles (406,750 sq km)**Population:** 5,900,000**Official languages:** Spanish, Guaraní**Major religions:** Christian 100%**Government:** Multiparty democracy**Currency:** Guaraní**Adult literacy rate:** 92%**Life expectancy:** 71 years**People per doctor:** 909**Televisions:** 101 per 1,000 people

URUGUAY

URUGUAY HAS BEEN DESCRIBED as a giant city with a ranch attached. Half the population of more than 3 million lives in the capital city of Montevideo, while the rest earn a living on the rich lowland pastures that spread out across the rest of the country. The rearing of livestock has brought great wealth to Uruguay, although recently tourism and banking have also contributed to the national income. Aside from a period of brutal military rule in the 1970s, the country has enjoyed a stable government that has built up an impressive welfare system for the people.



CATTLE AND SHEEP

Twelve million cattle and ten million sheep live on the grassy plains of Uruguay, easily outnumbering the population. In the 1860s, the country's first meat-processing factory was set up in Fray Bentos. The town became the center of the national meat industry when a refrigeration plant opened in 1901. Today, Uruguay exports animal products all over the world, and is one of the world's largest exporters of wool.

PARAGUAY

TUCKED INLAND, LARGELY EMPTY, and with few natural resources, Paraguay is one of the forgotten countries of the world. Once part of the vast Spanish Empire, Paraguay gained its independence in 1811. For most of its history, it has been ruled by a series of military dictators. The most famous of these was General Alfredo Stroessner, who governed for 35 years until he was overthrown in a sudden coup in 1989. Today, Paraguay is struggling to modernize itself. The vast Itaipú Dam generates sufficient electricity to export supplies to neighboring Brazil. Efforts are also being made to lessen the economy's dependence on agricultural products.



JESUIT MISSIONS

Almost a century after the occupation of Paraguay by Spain, in 1536, Jesuit missionaries began to convert the local people to Christianity. The Jesuits, a Roman Catholic order of priests, set up missions and built huge stone churches, protecting the local Guaraní Indians from attack by their enemies. When the Jesuits were expelled in 1767, many of their buildings fell into disrepair, but are now being restored.



ASUNCIÓN

The capital, and almost only, city of Paraguay is Asunción, home to about 1.2 million people. Situated on the eastern bank of the Paraguay River, the city is laid out in a rectangular grid, with wide, tree-lined avenues and beautiful parks. Asunción still retains the atmosphere of the Spanish colonial town it once was.

PEOPLE OF THE CHACO

The north of Paraguay is dominated by the Gran Chaco, a vast stretch of grassland and forest. The only people who live there are the Guaraní and Macá Indians. The Macá sell woven bags to tourists.



MATÉ TEA

The national drink of Uruguay and other South American nations is an herbal tea called *maté*. The hot drink, which is rich in caffeine, can be mixed with sugar and aromatic herbs. *Maté* is sipped by straw from a dried gourd, a type of fruit with a hard rind.

Find out more

CATTLE FARMING: 75

NATIVE PEOPLES: 43

POLITICAL SYSTEMS: 270-271

ROMAN CATHOLICS: 274



CHILE

A NATIVE OF CHILE ONCE SAID that his country had a crazy geography. It is the longest, thinnest country in the world. Protected by the Andes, it was the last country in the Americas to be occupied by the Spanish, but gained its independence in 1818. Since the end of a cruel military dictatorship that lasted from 1973–1990, the country has enjoyed a stable political life. Most people live in central Chile around the capital, Santiago, and the main port of Valparaiso. Fruit, cereals, and grapes are cultivated in the valleys, which are well watered by rivers from the Andes. Fishing off the long Pacific coast is also important.

CHILE
Capital city: Santiago
Area: 292,258 sq miles (756,950 sq km)
Population: 15,800,000
Official language: Spanish
Major religions: Christian 80%, other 20%
Government: Multiparty democracy
Currency: Chilean peso
Adult literacy rate: 96%
Life expectancy: 76 years
People per doctor: 909
Televisions: 232 per 1,000 people



CHILEAN WINE

Vines were first brought to Chile by the Spanish, who grew grapes for their communion wine. Today, the valleys that surround Santiago contain some of the best vineyards on the American continent. Chilean red and white wines are exported around the world.



COPPER MINING

Chile is the world's largest exporter of copper, and also mines significant quantities of iron ore, coal, gold, silver, and other minerals. High up in the Atacama Desert, in the north of Chile, lies one of the world's largest deposits of copper. The mine at Chuquibambuta is 13,500 ft (4,115 m) long and 2,200 ft (670 m) deep. Every week millions of tons of rock are blasted out of the ground and processed to produce copper.

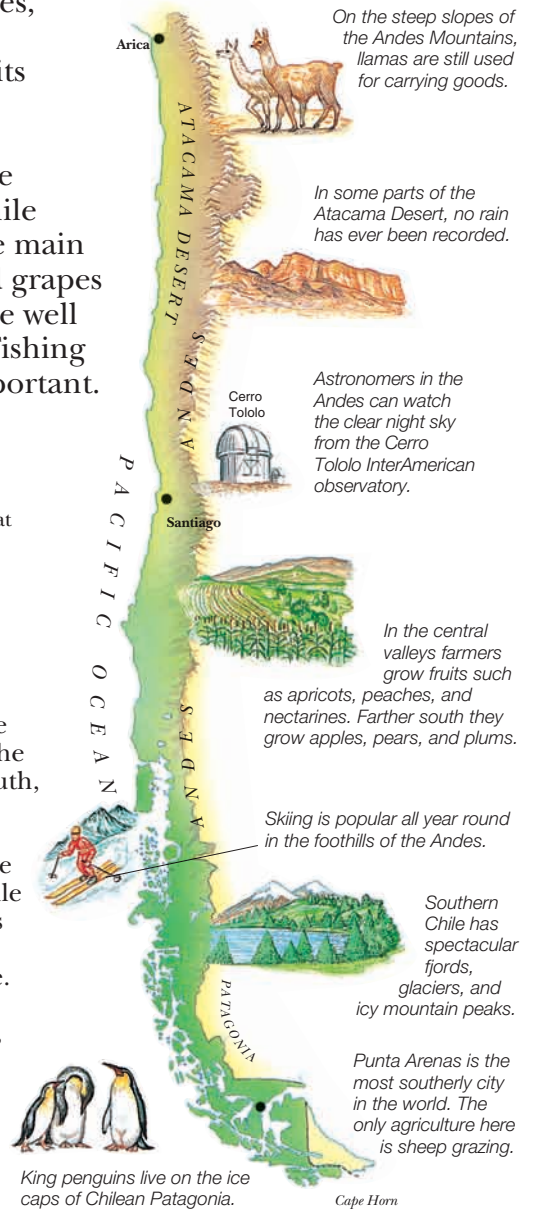


MAPUCHE INDIANS

For centuries, the Mapuche Indians have fought for their independence, first against the Incas of Peru, then against invading Spaniards, and most recently against the Chilean government. Today, most of the 600,000 Mapuche live on reservations in the south. One of Chile's main soccer teams, Colo-Colo, is named after an old Mapuche chief.

From north to south

Chile is 2,610 miles (4,200 km) long from north to south – the same as the distance from Norway to Nigeria. At no point is the country more than 112 miles (180 km) wide.



PUNTA ARENAS

The city of Punta Arenas lies on the Straits of Magellan, the route used by ships to avoid stormy Cape Horn. The port is filled with fishing and Antarctic research vessels and is a base for oil exploration. It lies under the hole in the ozone layer above Antarctica, and people are easily burned by the Sun's rays.



Find out more

- ANDES: 40, 58
- COPPER MINING: 237, 245
- NATIVE PEOPLES: 43
- VEGETATION ZONES: 15



ARGENTINA
Capital city: Buenos Aires
Area: 1,068,296 sq miles (2,766,890 sq km)
Population: 38,400,000
Official language: Spanish
Major religions: Christian 92%, Jewish 2%, other 6%
Government: Multiparty democracy
Currency: Argentine peso
Adult literacy rate: 97%
Life expectancy: 74 years
People per doctor: 370
Televisions: 289 per 1,000 people

ARGENTINA

STRETCHING FROM THE SUBTROPICAL forests of the north, down across the vast central plains of the Pampas, to the snowcapped mountains of Patagonia in the south, Argentina occupies most of southern South America. The country is bounded by the Andes Mountains in the west, and slopes gently downhill to the Atlantic Ocean in the east. Today's population is a mixture of native Indians, Spanish settlers, and immigrants from southern Europe who arrived during the past 100 years. The country is relatively wealthy, but has suffered from years of political instability, with periods of military rule alternating with elected governments.



DANCING THE TANGO
Tango, the national music of Argentina, began in the slums of Buenos Aires. The music, and the dramatic dance style that goes with it, reflects the hopes of working people and is sometimes happy, but often sad. Tango music is played on a *bandoneon*, a type of accordion, with a piano and violin accompaniment.



Buenos Aires

Almost 40 percent of Argentinians live in or near the capital city of Buenos Aires, making it one of the major cities in the southern half of the world. The city was founded by the Spanish in 1536 as a port on the Río de la Plata, and inhabitants are still called *porteños*, meaning "people of the port." Modern Buenos Aires is highly sophisticated, with grand avenues, a subway system, and expensive stores. It is the trading center of the country, and most of Argentina's exports are shipped through its docks.



MEDIA AND NEWSPAPERS

Argentines can choose from a range of about 180 daily newspapers, among them *El Crónista*, *La Nación*, and *Clarín*, which has the biggest circulation of any newspaper in South America. Most are published in Spanish, but German, English, and French language papers circulate widely. The constitution of Argentina guarantees freedom of the press, but during some military dictatorships, newspapers and television have been heavily censored.

Simple potato pasta is traditionally eaten at the end of the month, just before payday.



ITALIAN IMMIGRANTS

In the years leading up to World War I in 1914, about 2 million people fled the poverty of southern Europe to start a new life in Argentina. More than half came from Italy, finding work on the land or in the expanding cities of Buenos Aires and Rosario. Italian food, such as the potato pasta *ñoquis*, is still served in restaurants throughout Argentina.

FALKLAND ISLANDS
Some 300 miles (480 km) east of Argentina lie the disputed Islas Malvinas. Occupied by Spain in 1767, the islands were invaded by Britain in 1833 and renamed the Falkland Islands. Britain and Argentina have contested ownership ever since. In 1982 an Argentinian invasion was repelled by Britain, which now has a military garrison there.



TIERRA DEL FUEGO

When Ferdinand Magellan and his Spanish crew first saw the rocky islands at the tip of Argentina in 1520, they named them Tierra del Fuego, or Land of Fire, because they saw fires lit by the Fuegian Indians to keep warm. The islands, shared between Argentina and Chile, are wet and windswept, with glaciers carving out huge valleys in the mountains.



THE ECONOMY

With its rich farmland and mineral resources, Argentina is one of South America's most important economies. It is also self-sufficient in energy supplies and has large reserves of oil and gas. Despite its resources, Argentina has been badly run and has substantial overseas debts. A huge economic crisis in 2001 led to a collapse of confidence in the banking system. Many people withdrew their money from the banks.



Buenos Aires residents were among thousands of Argentinians who queued for hours to withdraw their savings during the crisis of 2001.



STEAM TRAINS

In 1857, a steam train made its way slowly south from Buenos Aires to the inland town of Las Flores, opening the first railroad line in Argentina. Within 40 years, the country was linked by more than 21,000 miles (34,000 km) of track. Largely built by British engineers with rolling stock constructed in British factories, this vast railroad system still runs cars and freight wagons, although diesel locomotives are now taking over.



The car industry is important to Argentina, and many of the leading manufacturers have factories there. Cars are made in the industrial centers of Buenos Aires, Córdoba, and Rosario.

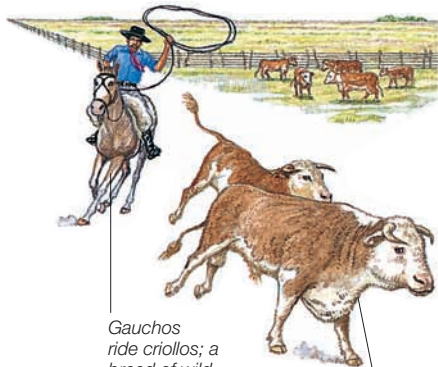
GOING TO SCHOOL

The literacy level of Argentina is one of the highest in South America. Primary education is compulsory up to the age of 12, although attendance is often low in country areas. In most state primary schools children wear white coats called *guarda polvo*, meaning "dust guard." The coats protect their clothes from chalk dust. About one-third of the students go on to attend one of the free state universities.



GAUCHOS OF THE PAMPAS

As famous as his northern cousin, the American cowboy, the Argentine gaucho has roamed the rolling plains of the pampas for about 300 years. The name gaucho comes from a South American word for outcast, since gauchos have always chosen to live beyond the law of the cities. The men work on the vast *estancias*, or ranches, fixing fences and corrals (pens for animals), tending the horses, and looking after the large herds of cattle. Tough, self-reliant, and free, the gauchos have become legendary heroes and a national symbol of Argentina.

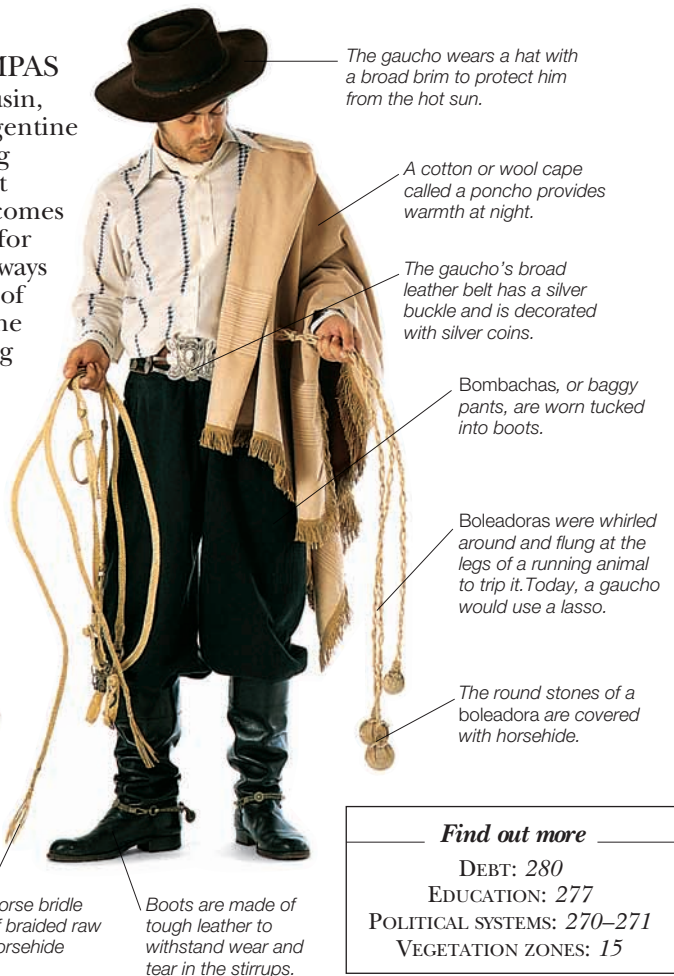


Gauchos ride criollos; a breed of wild horse that originally came from Mexico.

Beef cattle feed on pasture, or alfalfa mixed with grains of sorghum grass, to produce a leaner meat.

Gauchos regularly have to "throw a steer" to check for ticks and fleas.

To throw a steer, one man holds the animal by the horns, while another two men hold on to the tail.



The gaucho wears a hat with a broad brim to protect him from the hot sun.

A cotton or wool cape called a poncho provides warmth at night.

The gaucho's broad leather belt has a silver buckle and is decorated with silver coins.

Bombachas, or baggy pants, are worn tucked into boots.

Boleadoras were whirled around and flung at the legs of a running animal to trip it. Today, a gaucho would use a lasso.

The round stones of a boleadora are covered with horsehide.

Horse bridle of braided raw horsehide

Boots are made of tough leather to withstand wear and tear in the stirrups.

Find out more

DEBT: 280
 EDUCATION: 277
 POLITICAL SYSTEMS: 270–271
 VEGETATION ZONES: 15

THE ATLANTIC OCEAN

ICELAND

Capital city: Reykjavik
Area: 39,768 sq miles (103,000 sq km)
Population: 290,000
Official language: Icelandic
Major religions: Christian 94%, other 6%
Government: Multiparty democracy
Currency: Icelandic krónur
Adult literacy rate: 99%
Life expectancy: 80 years
People per doctor: 286
Televisions: 320 per 1,000 people

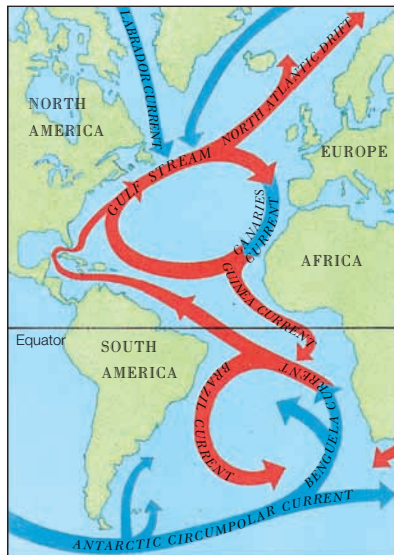
CAPE VERDE

Capital city: Praia
Area: 1,556 sq miles (4,030 sq km)
Population: 463,000
Official language: Portuguese
Major religions: Christian 98%, other 2%
Government: Multiparty democracy
Currency: Cape Verde escudo
Adult literacy rate: 76%
Life expectancy: 69 years
People per doctor: 5,000
Televisions: 4 per 1,000 people

Key to currents

- Warm currents
- Cold currents

BORDERED BY THE AMERICAS to the west and Africa and Europe to the east, the Atlantic covers about 31.7 million sq miles (82 million sq km), one-fifth of the Earth's surface. Down the ocean's entire length runs the Mid-Atlantic Ridge, a great underwater mountain chain formed by lava that oozes up from the seabed, cools, and then hardens. Some peaks break the surface to form volcanic islands. The Atlantic contains some of the world's richest fishing grounds, but is also the most polluted ocean because of the industry around its shores.



ICELAND

The volcanic island of Iceland is part of the Mid-Atlantic Ridge. Intense heat generated deep underground creates bubbling hot springs and mud pools. Iceland has the most *solfataras* (volcanic vents) and hot springs in the world, and many of its towns are heated by underground hot water. Cape Verde, off the west coast of Africa, is also volcanic.

OCEAN CURRENTS

Water in the oceans is never still but moves in huge belts of water called currents. In the open ocean, surface winds drive these currents in vast, roughly circular patterns. The currents can be as warm as 86°F (30°C) or as cold as 30°F (-2°C), and affect the world's weather. Warm water from the Equator moves toward the cooler poles, helping spread warmth across the globe.



FISHING

About 90 percent of the world's fish live in the shallow waters of the continental shelves that surround land, feeding on the plankton that live there. Over the past 20 years, stocks of cod, herring, and other fish in the Atlantic have run low as the number and size of fishing fleets have grown.

ICEBERGS

Icebergs, which are made of frozen water, occur when warmer weather causes ice sheets and glaciers on icy coastlines to break up, or calve. At sea, icebergs are moved by the wind and ocean currents and can be a danger to ships. Icebergs vary in size from small Arctic growlers, which are about as big as a grand piano, to much larger Antarctic icebergs, which can be 5 miles (8 km) long.

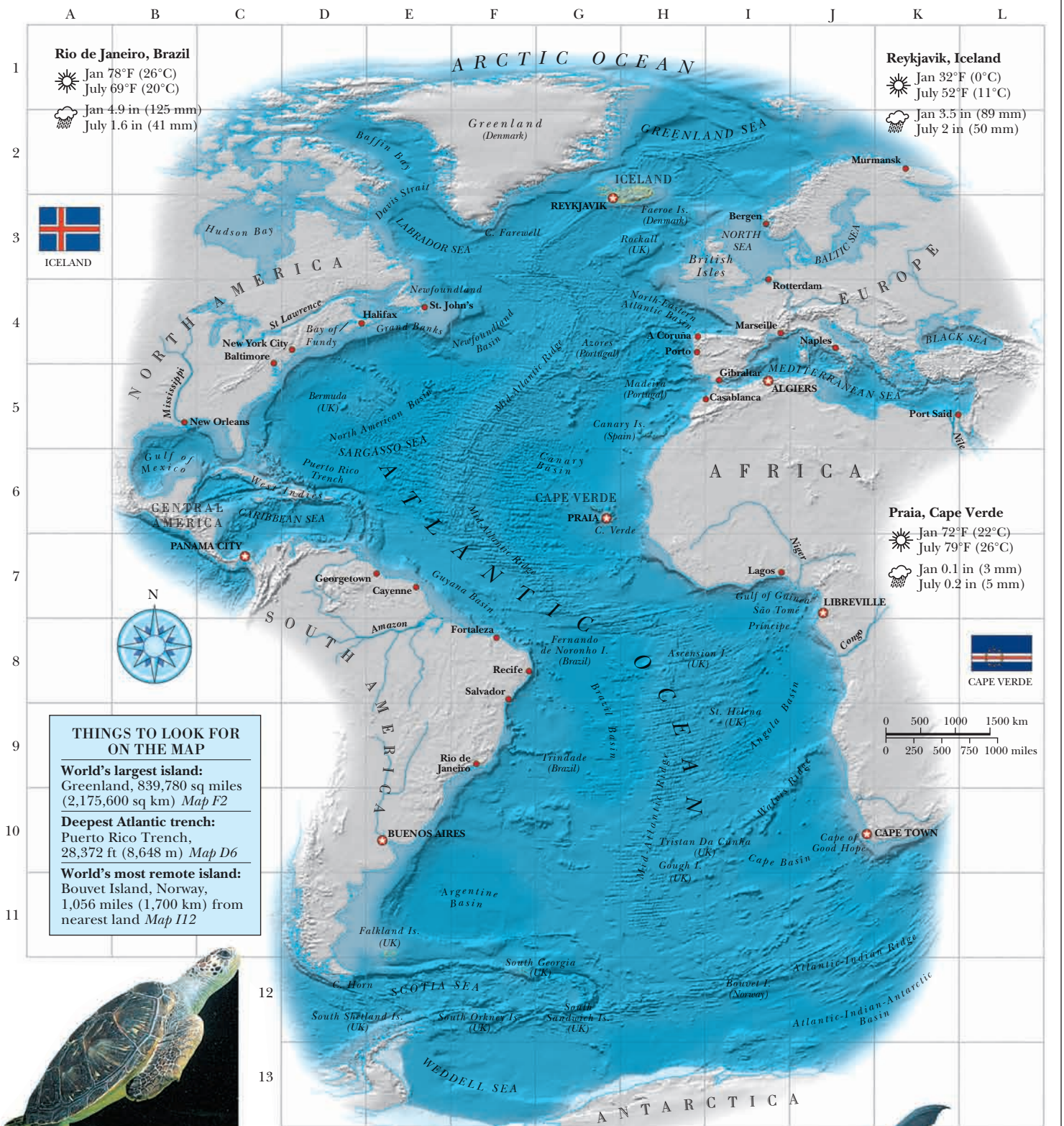


Only about one-seventh of an iceberg shows above the surface of the ocean. The rest of the ice remains hidden below the waterline.

GULF STREAM

The Gulf Stream is a warm current only about 60 miles (100 km) wide that moves across the North Atlantic. It raises the temperature of northern Europe and helps keep its ports ice-free in winter. It also allows tropical plants to grow in normally cool places, such as the west coast of Scotland.





Rio de Janeiro, Brazil
 ☀ Jan 78°F (26°C)
 ☀ July 69°F (20°C)
 ☁ Jan 4.9 in (125 mm)
 ☁ July 1.6 in (41 mm)

Reykjavik, Iceland
 ☀ Jan 32°F (0°C)
 ☀ July 52°F (11°C)
 ☁ Jan 3.5 in (89 mm)
 ☁ July 2 in (50 mm)



ICELAND



CAPE VERDE

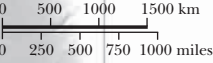
THINGS TO LOOK FOR ON THE MAP

World's largest island:
 Greenland, 839,780 sq miles (2,175,600 sq km) *Map F2*

Deepest Atlantic trench:
 Puerto Rico Trench, 28,372 ft (8,648 m) *Map D6*

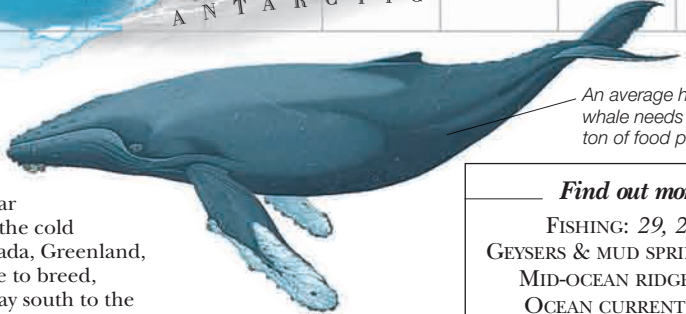
World's most remote island:
 Bouvet Island, Norway, 1,056 miles (1,700 km) from nearest land *Map I12*

Praia, Cape Verde
 ☀ Jan 72°F (22°C)
 ☀ July 79°F (26°C)
 ☁ Jan 0.1 in (3 mm)
 ☁ July 0.2 in (5 mm)



TURTLE TURNAROUND
 Green turtles live off the coast of Brazil, but make their way across the South Atlantic to Ascension Island to lay their eggs. Once the young turtles have hatched, they return to Brazil – a round trip of 1,740 miles (2,800 km).

WHALE MIGRATION
 Humpback whales can be found in all the world's seas. Many spend a large part of the year feeding on krill and fish in the cold waters off the coasts of Canada, Greenland, and Iceland. When it is time to breed, however, they make their way south to the tropical waters of the Caribbean Sea.



An average humpback whale needs about a ton of food per day.

Find out more

FISHING: 29, 203
 GEYSERS & MUD SPRINGS: 255
 MID-OCEAN RIDGES: 13
 OCEAN CURRENTS: 64

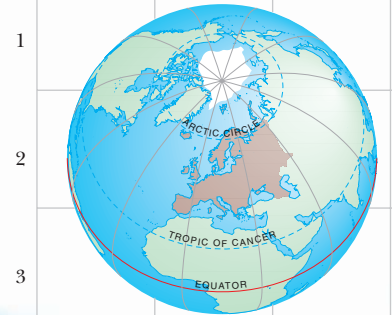
EUROPE

A GREAT CURVE OF mountain ranges that includes the Pyrenees and the Alps roughly divides the cooler north of Europe from the warmer south. In the far north, treeless tundra merges into cool coniferous forests that extend across Scandinavia and into Russia. South of this lies the fertile North European Plain, which supports most of the continent's agriculture and mixed woodland. By contrast, the Mediterranean region to the south is hot and almost desertlike in places. Volcanic activity is confined to Iceland and southern Italy, where Mount Etna is constantly active. The Ural and Caucasus mountains form Europe's eastern borders.

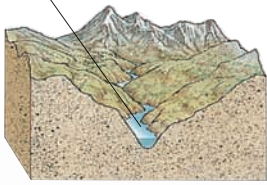


Bird's Eye primrose

THE ALPS
The mountains that form the Alps run from southeastern France, through Switzerland and Italy, into Austria. In the last 2 million years, ice has molded the scenery, carving pyramid-shaped peaks, like the Matterhorn (above), knife-edged ridges, dramatic waterfalls, and armchair-shaped basins filled with lakes. Alpine plants, such as the Bird's Eye primrose, have adapted to growing at high altitudes.

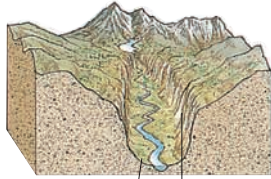


This is a river valley before the arrival of a glacier. Glaciers are huge masses of ice that grind away land as they move slowly forward.



THE LAKE DISTRICT

The 15 lakes of the Lake District in northwestern England lie in U-shaped valleys extending outward like the spokes of a wheel from an uplifted dome of low mountains. Long ago, the valleys contained rivers, but during the Ice Age these were deepened by the movement of glaciers. Most were dammed by eroded rock left behind when the glaciers melted. The erosion of the main valleys has cut off tributary valleys and left them “hanging” above the main valleys, often with waterfalls cascading from them.



When glaciers retreat, at the end of an Ice Age for example, they leave behind U-shaped valleys.

A hanging valley on the side of the main valley

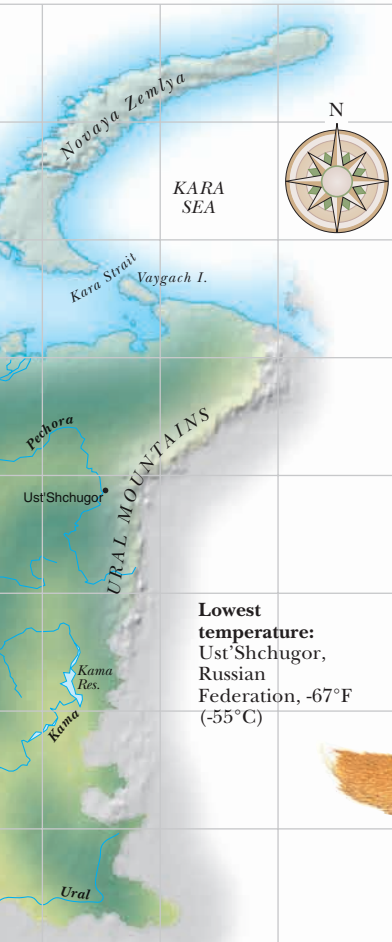


Ullswater is a lake that lies in a U-shaped valley.



NORTHERN FORESTS

A thick band of dense coniferous forest, known as taiga, covers northern Europe. Conifers (trees that have cones), such as spruce and pine, keep their leaves all year round and can withstand heavy snow. They also provide winter food and shelter for many animals.



Lowest temperature: Ust'Shchugor, Russian Federation, -67°F (-55°C)

NORTHERN PLAINS

The North European Plain stretches from southern England across France and Germany as far as Russia, ending at the Ural Mountains. Most of the plain is low-lying, and in the Netherlands it even lies partly below sea level. Some of the world's most fertile farmland is found here, as well as important deposits of coal, oil, and natural gas. This is Europe's most densely populated area and contains many major cities.



Wheat, sugar beets, and apples are grown on the plains of northern France.



Foxes are often found in the fields and woodlands of Europe, although many now live in towns. They eat almost anything – from rabbits to apples or worms.



THE DANUBE

The Danube, western Europe's longest river, flows eastward from its source in Germany to its mouth on the Black Sea. It serves as a trade route between the nine countries that lie along its course. The Danube delta, where the river divides into numerous channels, is an important wetland area. About 300 different bird species have been recorded in the delta, as well as boars, deer, and wild cats.

THINGS TO LOOK FOR ON THE MAP

- Area:** 4,000,000, sq miles (10,400,000 sq km)
- Highest point:** Mt. El'brus, Russian Federation, 18,510 ft (5,642 m) *Map K11*
- Longest river:** Volga, Russian Federation, 2,194 miles (3,530 km) *Map L8*
- Largest lake:** L. Ladoga, Russian Federation, 7,100 sq miles (18,389 sq km) *Map J7*
- Largest island:** Great Britain, 88,745 sq miles (229,850 sq km) *Map D9*

THE MEDITERRANEAN

The region around the Mediterranean Sea has a distinctive climate of hot, dry summers and mild, rainy winters. These conditions are perfect for growing crops such as citrus fruits, grapes, and olives, shown here in southern Spain. Many trees, such as cork oaks, develop thick bark as a protection against the heat.



PEOPLES OF EUROPE

EUROPE IS A CROWDED CONTINENT. It is the second smallest of the continents by area, yet it has the third highest population. As a result, population densities are very high, and most Europeans live in cities. Europe is also crowded with countries – more than 40 different nations jostle for position on the continent. Conflicts between these countries have often erupted into war – two world wars have started on European soils in the last 100 years. Yet, despite these problems, Europe is by and large a rich continent, and many European countries are among the wealthiest in the world. Some pockets of poverty exist, but in general the population enjoys a high standard of living compared to most other parts of the world. Much of this wealth has come as a result of industrial growth, and because of the large colonial empires established by many European countries in Africa, Asia, and the Americas.



EUROPEAN CITIES

A large proportion of Europeans live in cities. The most densely populated part of Europe lies in the west and forms a belt that stretches more or less continuously from southeastern Britain, through northern France, Belgium, the Netherlands, and into Germany. In these densely populated areas, individual cities can merge into one another, forming what are known as conurbations. The largest of these is in the German industrial region known as the Ruhr. By contrast, in eastern Europe a greater proportion of the population lives in country areas.

Population: approximately 774,000,000 people
Number of countries: 43

Largest country: The Russian Federation straddles northern Europe and Asia (see page 138) and its European part covers 1,527,341 sq miles (3,955,818 sq km)

Least densely populated country: Iceland, 7 people per sq mile (3 per sq km)

- KEY**
- 1 NETHERLANDS
 - 2 BELGIUM
 - 3 LUXEMBOURG
 - 4 SWITZERLAND
 - 5 LIECHTENSTEIN
 - 6 MOLDOVA
 - 7 ANDORRA
 - 8 MONACO
 - 9 SAN MARINO
 - 10 VATICAN CITY
 - 11 SLOVENIA
 - 12 CROATIA
 - 13 BOSNIA AND HERZEGOVINA
 - 14 SERBIA
 - 15 MONTENEGRO
 - 16 KOSOVO (disputed)
 - 17 ALBANIA
 - 18 MACEDONIA

Most densely populated country: Monaco, 42,840 people per sq mile (16,477 per sq km)

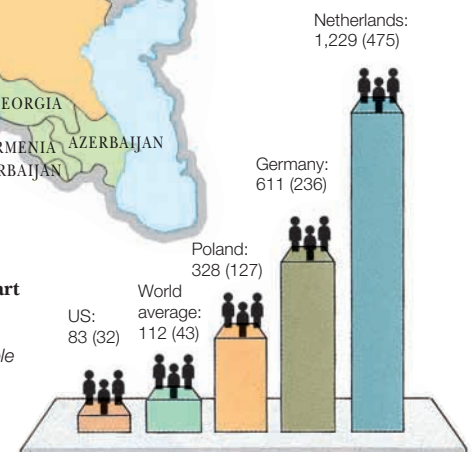
Smallest country: Vatican City, 0.17 sq miles (0.44 sq km)

POPULATION DENSITY

Over 774 million Europeans are crammed into an area little more than the size of Australia. As a result, European countries have some of the highest population densities in the world. In the Netherlands, for example, there are 1,229 people per sq mile (475 per sq km). Population densities in eastern Europe are lower, but even these are above the world average.

Population density chart

The figures on the chart show the number of people per sq mile (per sq km). Comparisons outside Europe are also included.

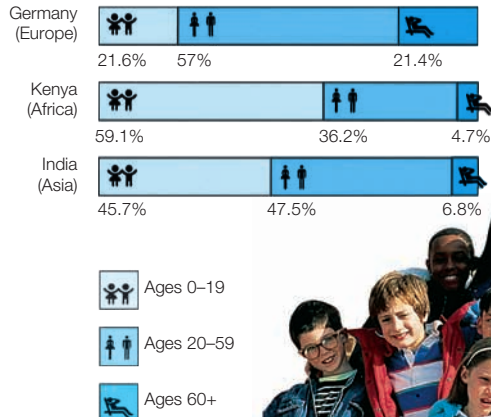




THE CHANGING POPULATION

Compared to Asia and Africa, the populations of most European countries are stable – they are not increasing or decreasing to any great extent. Birth rates are low, and average life expectancy is very high – about 75 years in most countries, compared to less than 50 years in Afghanistan and most of Africa. As a result of these two factors, Europe’s population is relatively elderly, with a large number of people aged 60 years and over.

Age of population



A market in the Russian Federation. Under communism all commerce was controlled by the State



CULTURAL MELTING POT

Europe’s wealth and relative political stability have attracted large numbers of migrants to its shores, many from former colonies. As a result, most countries, particularly in western Europe, contain large numbers of people from ethnic minorities. In France, for example, north Africans from Algeria and other former colonies have settled in cities such as Marseilles and Paris.



The UK’s population contains migrants from many countries, including the Caribbean, India, Pakistan, and Bangladesh.

New European countries



SPLITTING APART

Europe is a fragmented continent made up of more than 40 independent countries. Even within individual countries there are sometimes separate groups, such as the Basques in Spain, who claim some form of independence from the national government. New countries are still being formed. The former USSR, Yugoslavia, and Czechoslovakia are among the European countries that have split apart in recent years, sometimes violently.



The European Parliament, elected by the people of the EU, meets in this building in Strasbourg, France.

THE EUROPEAN UNION

In 1957, six European countries agreed to form the European Economic Community (EEC). They believed that economic cooperation would reduce the likelihood of war between the member countries and would bring prosperity to the peoples of Europe. Since that time, more countries have joined, and the EEC has been renamed the European Union (EU). Today it consists of 27 member states and in addition to closer economic cooperation, there are moves to encourage greater political union.



The stars on the flag of the European Union represent solidarity, perfection, and unity.

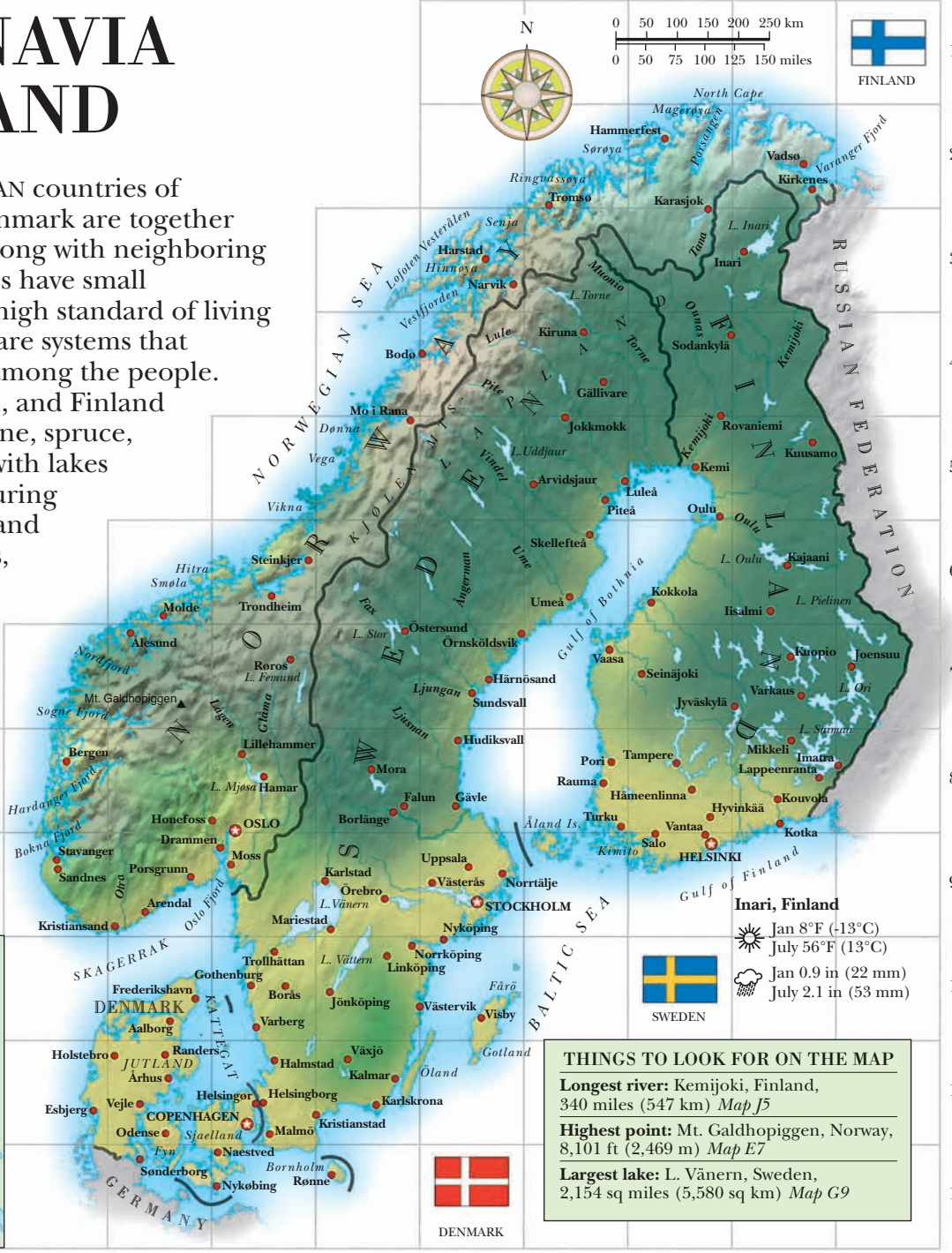
SCANDINAVIA AND FINLAND

THE NORTHERN EUROPEAN countries of Norway, Sweden, and Denmark are together known as Scandinavia. Along with neighboring Finland, all four countries have small populations and enjoy a high standard of living with extensive social welfare systems that distribute wealth evenly among the people. Much of Norway, Sweden, and Finland is covered by forests of pine, spruce, and birch trees, riddled with lakes gouged out by glaciers during the last Ice Age. Norway and Sweden are mountainous, while Finland and fertile Denmark are low-lying.

Copenhagen, Denmark
 ☀ Jan 32°F (0°C)
 ☀ July 64°F (18°C)
 ☁ Jan 1.9 in (49 mm)
 ☁ July 2.8 in (71 mm)


 NORWAY





THINGS TO LOOK FOR ON THE MAP

Longest river: Kemijoki, Finland, 340 miles (547 km) *Map J5*

Highest point: Mt. Galdhopiggen, Norway, 8,101 ft (2,469 m) *Map E7*

Largest lake: L. Vänern, Sweden, 2,154 sq miles (5,580 sq km) *Map G9*

THE MIDNIGHT SUN
 Much of northern Norway, Sweden, and Finland lie in the Arctic Circle. Here the Sun never sets at the height of summer – giving 24 hours of light – and never rises in the middle of winter – giving 24 hours of darkness. The periods of light or dark lengthen the farther north you go. In the far north the winter darkness lasts for almost two months.



Midnight Sun in Senja, Norway

COASTLINE CITIES
 Most people in the region live in towns and cities around the coast or on lakesides. These stretches of water provide the best form of transportation in an area where fast-flowing rivers are unsuitable and where much of the interior is rugged. The capitals of all four countries are on the coast, including Stockholm, the Swedish capital, which lies on the edge of the Baltic Sea.





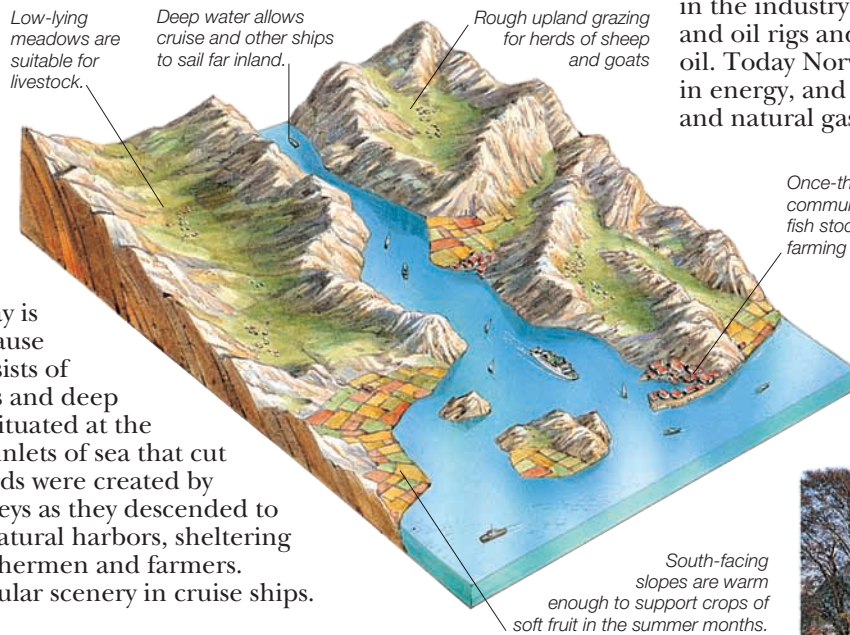
NORWAY

NORWAY LIES ALONG the western coast of Scandinavia. It is a long country, narrow in its northern half and only 50 miles (80 km) wide at one point. Despite its northerly location, Norway's lengthy coastline is kept free of ice by the warm Gulf Stream. Most of the country is mountainous, with spectacular landscapes of thousands of lakes and offshore islands. Many people work in industry, including offshore oil and gas production, shipbuilding, and mining. Fishing, forestry, and agriculture employ only about five percent of the total workforce.

NORWAY	
Capital city:	Oslo
Area:	125,181 sq miles (324,220 sq km)
Population:	4,233,116
Official language:	Norwegian
Major religions:	Christian 90%, other 10%
Government:	Multiparty democracy
Currency:	Norwegian krone
Adult literacy rate:	99%
Life expectancy:	79 years
People per doctor:	333
Televisions:	579 per 1,000 people

FJORDS

Only 3 percent of Norway is suitable for farming because most of the country consists of rugged mountain ranges and deep lakes. Most farmland is situated at the head of fjords, the long inlets of sea that cut into Norway's coast. Fjords were created by glaciers gouging out valleys as they descended to the sea. The fjords are natural harbors, sheltering small communities of fishermen and farmers. Tourists visit the spectacular scenery in cruise ships.



OIL INDUSTRY

The discovery of oil and gas under the North Sea in 1969 transformed the Norwegian economy, turning the country into Europe's largest oil producer. Thousands of people work in the industry, constructing tankers and oil rigs and refining the crude oil. Today Norway is self-sufficient in energy, and exports most of its oil and natural gas to the rest of Europe.

Once-thriving coastal fishing communities are declining as fish stocks diminish, but fish farming is increasing.

Traditional stave church in Sogne Fjord



South-facing slopes are warm enough to support crops of soft fruit in the summer months.

SHIPPING

Norway has one of the largest shipping fleets in the world. Many thousands of people are employed in shipyards and repair docks and on board the many merchant ships and ferries that supply the ports and islands of the west coast. The most important port is the capital city, Oslo. Over half a million people live in this bustling, lively city, which is the cultural, intellectual, and industrial center of the country.



WOODEN CHURCHES

Ancient stave churches are found throughout Norway. Unlike log cabins, which are made of horizontal logs, stave churches are built with vertical, curved strips of wood called staves. Not a single nail is used in the construction, which is powerful enough to withstand heavy winter snowfalls.



SKIING

Norway is the home of skiing. The earliest remains of skis were found in a glacier here, and the word "ski" is of Norwegian origin. During the snowy winter months, the most efficient way for many Norwegians to travel is on skis. A ski jump is a feature of most towns in Norway. Annual ski festivals are popular, as is the sport of cross-country skiing.

Find out more	
GAS:	163, 198, 211
GLACIERS:	79
GULF STREAM:	76
OIL:	152, 281



DENMARK

THE LONG, NARROW Jutland Peninsula that makes up mainland Denmark extends from Germany toward Norway and Sweden. To the east of the peninsula more than a hundred islands make up the rest of the country. Denmark is the most southerly country in Scandinavia and is one of the flattest lands in the world. Like its neighbors, it enjoys political stability and a high standard of living. Industry has developed rapidly, and today a third of the people work in small factories.



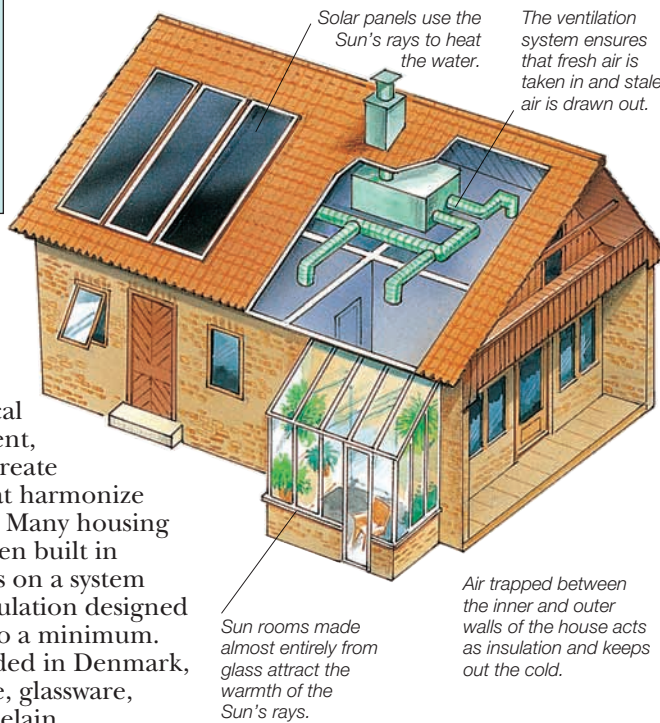
COPENHAGEN

Denmark's capital, Copenhagen, is situated on the island of Sjælland. It is the biggest city in Scandinavia and the largest trading center in Denmark. Visitors wandering down old alleyways and pedestrianized streets will find historic churches, colorful marketplaces, and a network of canals. This is also a city of bicycles, with bike paths leading toward areas where many city dwellers have summer homes.

DENMARK	
Capital city:	Copenhagen
Area:	16,639 sq miles (43,094 sq km)
Population:	5,400,000
Official language:	Danish
Major religions:	Christian 90%, other 10%
Government:	Multiparty democracy
Currency:	Danish kroner
Adult literacy rate:	99%
Life expectancy:	77 years
People per doctor:	294
Televisions:	585 per 1,000 people

ARCHITECTURE

Like the rest of the region, Denmark is famous for its architecture. Danish architects combine local materials such as cement, brick, and lumber to create beautiful buildings that harmonize with the environment. Many housing developments have been built in which each house runs on a system of solar panels and insulation designed to keep energy waste to a minimum. Design is highly regarded in Denmark, especially for furniture, glassware, kitchenware, and porcelain.

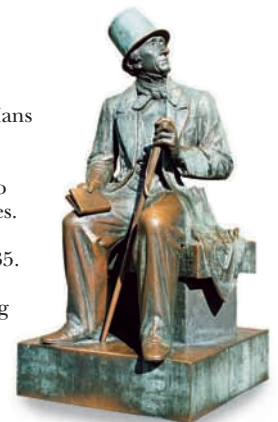


PIG AND DAIRY FARMING

Denmark is well known for its cooperative organizations. To keep up with modern agricultural development, the farmers have had to work together closely. Part of their strategy has been to establish cooperatively owned dairies and bacon factories and to concentrate their energies on promoting these foods abroad.

HANS CHRISTIAN ANDERSEN

The Danish writer Hans Christian Andersen (1805–75) was one of the first authors to write classic fairy tales. His first collection was published in 1835. He wrote more than 160 stories, including *The Snow Queen* and *The Ugly Duckling*.



LEGO LAND

"Legos" – the colorful interlocking building blocks designed for children – were first produced by a carpenter in Jutland in the 1930s. Now Jutland is home to a massive Legoland theme park, where all the buildings are made of Legos. The name "Lego" comes from the two Danish words, *leg* and *godt*, meaning "play well."



ROYAL DANISH BALLET

The Royal Danish Ballet was established at the opening of the Royal Theater in Copenhagen in 1748, and is one of the oldest and most renowned ballet companies in the world. Much of its fame is due to August Bourmonville (1805–79), who directed the company from 1828 until his death and choreographed more than 50 ballets.

Find out more

- CYCLING: 92, 192
- EUROPEAN FAMILIES: 81
- INSULATED HOUSES: 143
- WORKING WOMEN: 137, 141



SWEDEN

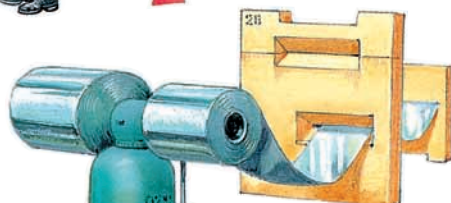
LYING BETWEEN NORWAY and Finland, Sweden stretches from the Arctic north to the fertile south, where most of its small population lives. Sweden's long industrial traditions and a highly skilled workforce have made it one of the world's most advanced manufacturing countries. Like its neighbors, Sweden is a prosperous place, where equal rights for all groups in society are taken very seriously.

SWEDEN	
Capital city:	Stockholm
Area:	173,371 sq miles (449,964 sq km)
Population:	8,900,000
Official language:	Swedish
Major religions:	Christian 85%, other 15%
Government:	Multiparty democracy
Currency:	Swedish krona
Adult literacy rate:	99%
Life expectancy:	78 years
People per doctor:	370
Televisions:	470 per 1,000 people

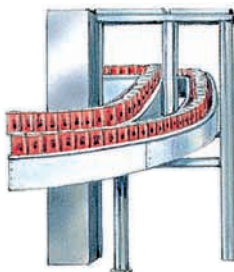


Recycling system

Customers return their empty aluminum cans to stores with machines that flatten the cans, allowing many more to be collected.



The flattened cans are taken away, melted down, and rolled into new sheets of aluminum.



Soon, brand new cans made from the sheets are rolling off the production line, ready to start the cycle all over again.

CONSERVATION

Swedes are very concerned about conserving their environment. This includes their historic buildings as well as the countryside. There are many nature reserves in Sweden and some of Europe's largest national parks in the mountainous north. Many people are worried about water pollution and Sweden is a leading campaigner in the movement to clean up the Baltic Sea. It has also restricted industrial development in some coastal areas. Conserving resources is part of everyday life and Sweden runs a highly successful recycling system (right).



SUMMER HOMES

Vacation homes are common in this wealthy country. Pretty wooden houses, often painted red, are found along the coast, lakeshores, and in river valleys. They provide the perfect escape for city dwellers on weekends or during vacations. When they are not there themselves, families often rent these retreats out to friends or to the growing number of tourists to Sweden.

DESIGN

Sweden is renowned for the simple lines of its design, which is copied all over the world. Swedish designers began to make an impact in the 1960s. Good design has helped sell cars, electrical equipment, textiles, and furniture.



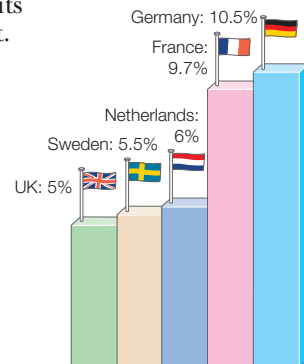
This Swedish office chair is designed to be comfortable and practical.



SOCIAL WELFARE

Sweden has led the way in social welfare, and a small population has made it easy for the government to take care of everyone. Child care and facilities for the sick and the elderly are excellent. Unemployment figures have been relatively low (see chart below). However, to pay for these benefits the government must impose high taxes. Also, current economic problems have put some of the benefits under threat.

Percentage of unemployed people (2004 figures)



SMÖRGÅSBORD

Smörgåsar means a slice of bread and bord is the Swedish word for table, but this Scandinavian specialty is much more than a table of sandwiches. It usually refers to a vast buffet of tempting cold foods, such as herrings in mustard sauce, various cheeses, meats, and salads.

Find out more

HEALTH, EDUCATION: 276-277
 RECYCLING: 94
 RICH AND POOR: 278-279
 STOCKHOLM: 82



FINLAND

KNOWN AS “SUOMI” to its people, Finland is the most northerly independent country in the world. An aerial view of this land would show a spectacular pattern of forests, swampy peatland, massive lakes, and islands – scattered in the lakes and along the coastline. Most of it is covered with pine, spruce, and birch trees, and for up to half of the year it is carpeted with snow. After centuries of Swedish rule, Finland became part of Russia before independence in 1917. Finland has a distinctive language and culture that marks it apart from the rest of Scandinavia.



LAPLAND

The icy north of Norway, Sweden, and Finland is called Lapland. The people who live in the scattered villages of this region, the Sami, or Lapps, have their own language and customs. Some herd reindeer for their meat and milk. However, their traditional way of life is slowly changing. Lapland is also known as the home of Santa Claus, and thousands of children send letters to him there each year.

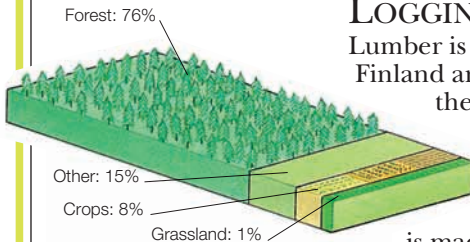
FINLAND	
Capital city:	Helsinki
Area:	130,127 sq miles (337,030 sq km)
Population:	4,998,478
Official languages:	Finnish, Swedish
Major religions:	Christian 91%, other 9%
Government:	Multiparty democracy
Currency:	Euro
Adult literacy rate:	99%
Life expectancy:	78 years
People per doctor:	323
Televisions:	640 per 1,000 people



HELSINKI

Surrounded on three sides by water, Finland’s capital, Helsinki, has an open, spacious feel. Its magnificent harbor boasts a colorful street market selling fish, fruit, vegetables, and flowers. The city is filled with exciting modern buildings that are designed to blend with the old, creating a distinctive national style.

What the land is used for



LOGGING INDUSTRY

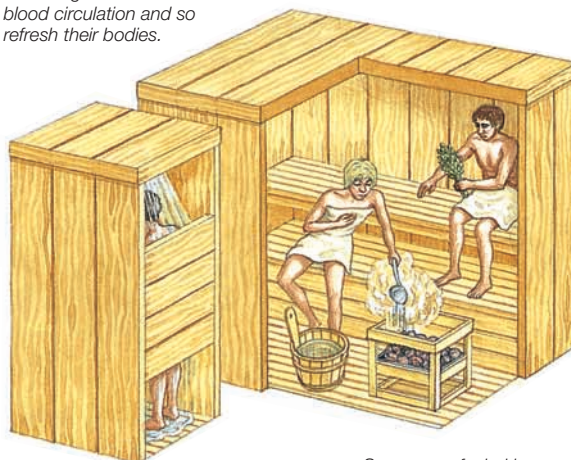
Lumber is a major industry in this forested country – Finland and Sweden are Europe’s top producers of the softwoods pine and spruce. The lumber is transported by truck to processing plants where the wood is boiled down to a pulp. The liquid produced, wood alcohol, is used in various chemicals, while the pulp is made into plywood, board, and paper. Sawdust, bark, and waste are burned to produce electricity.



LAND OF LAKES

Well over 50,000 lakes take up about 10 percent of the country’s area and are a major tourist attraction. Lake Saimaa is the largest lake and contains hundreds of islands. Ferries provide a vital link between the coastal islands. During the long, cold winters, lakes may freeze up and icebreakers keep coastal waters open for merchant shipping.

People beat themselves with birch twigs to stimulate their blood circulation and so refresh their bodies.



After a session in the sauna, it is time to cool off under a cold shower – or in the nearby lake!

Saunas are fueled by wooden logs in the country and by electricity in towns and cities.



SAUNAS

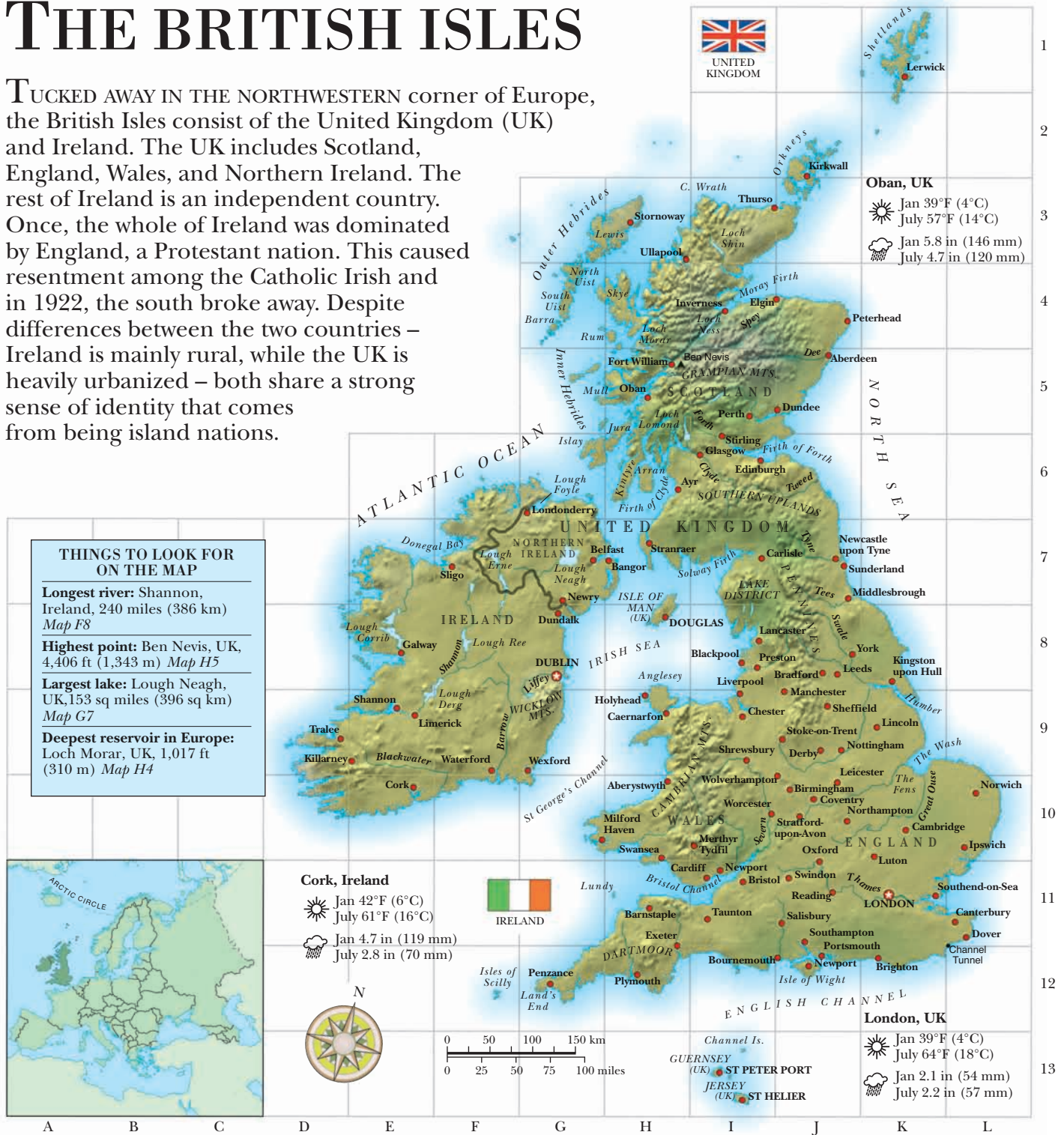
Finland is the home of the sauna. The Finns have used these steam baths for centuries, and today most houses in Finland have one. A sauna is a small, very warm room that people sit in to relax and cleanse their bodies. From time to time they throw water over hot stones and, as the water crackles and spits, the air fills with clouds of steam. Most families enjoy a shared sauna every week.

Find out more

ARCTIC PEOPLES: 25, 266
 LOGGING: 26, 69, 244
 NORTHERN FORESTS:
 15, 132

THE BRITISH ISLES

TUCKED AWAY IN THE NORTHWESTERN corner of Europe, the British Isles consist of the United Kingdom (UK) and Ireland. The UK includes Scotland, England, Wales, and Northern Ireland. The rest of Ireland is an independent country. Once, the whole of Ireland was dominated by England, a Protestant nation. This caused resentment among the Catholic Irish and in 1922, the south broke away. Despite differences between the two countries – Ireland is mainly rural, while the UK is heavily urbanized – both share a strong sense of identity that comes from being island nations.



THE EMERALD ISLE
Ireland gets its nickname, “The Emerald Isle,” from the lush green grass that thrives in the island’s mild and wet climate. This pasture makes excellent grazing land for cattle, and so dairy produce and beef are major products in a land where agriculture has always been the main industry. The beauty of the landscape, particularly its dramatic west coast, has also made Ireland a major tourist destination.



LANDSCAPE
The landscape of the British Isles varies greatly within a small area. High, craggy mountains in northern England, Scotland, Wales, and Ireland contrast with the flat Fens (marshlands) of East Anglia and the rolling green fields of southern England. Three-quarters of the land is used for farming, and the crops grown vary from region to region, depending on the climate and soil.

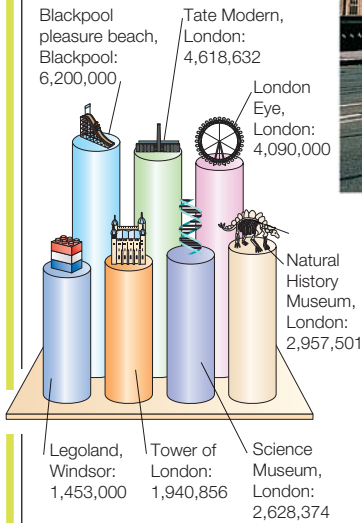
UNITED KINGDOM



UNITED KINGDOM

UNITED KINGDOM
Capital city: London
Area: 94,525 sq miles (244,820 sq km)
Population: 59,300,000
Official language: English
Major religions: Christian 60%, Muslim 3%, Hindu 1%, other 36%
Government: Multiparty democracy
Currency: Pound sterling
Adult literacy rate: 99%
Life expectancy: 77 years
People per doctor: 500
Televisions: 645 per 1,000 people

Visitor numbers to 7 of the top UK tourist sites



FOR A SMALL COUNTRY, the United Kingdom (UK) has had a huge influence on world affairs. At one time it controlled a vast empire, which is why English is now spoken across the globe. The Industrial Revolution of the late 1700s, which brought large-scale factory production, began here, then spread worldwide. Today, many of the UK's traditional industries have declined. This highly urban society is now more reliant on service industries, such as banking and insurance, while huge reserves of oil in the North Sea meet much of its energy needs.

Red London buses rush past the Houses of Parliament, home of the United Kingdom's government.



A MULTICULTURAL SOCIETY
Since the 1950s, the UK has become an increasingly multicultural society. Large numbers of people from the UK's former colonies in Africa, the West Indies, and the Indian Subcontinent have made their home here, establishing their own distinctive communities and enriching British life with their culture and traditions.

EDINBURGH

The beautiful city of Edinburgh lies on the chilly east coast of Scotland. Perched on a hill, Edinburgh Castle looks out over a city of winding medieval streets and splendid Georgian townhouses. The city is home to a major international arts festival held every summer.

Street performers at the Edinburgh Festival



LONDON

Founded by the Romans in AD 43, London is now a city of 7 million people and is one of the largest cities in Europe. The capital is one of the world's leading centers of culture, finance, and tourism. Each year millions of people visit London to sample its theaters, museums, and historic buildings. Tourism is now a major industry throughout the whole of the UK. Places such as the west coast of Scotland and the historic cities of Bath and York, attract thousands of tourists.

HOMES

Many people in the UK live in suburbs on the outskirts of towns and cities. Suburbs offer a cleaner environment, more space, and transportation links, making commuting to jobs in city centers possible. British life is closely centered on the home. Houses tend to be more popular than apartments, and home improvement work and gardening are popular leisure activities.

Where people live



90% live in the city.

10% in the country.

Typical styles of housing in the UK





WELSH MINING

Wales was until recently a major supplier of coal, and many towns and villages depended on the mines for their existence. But the coal industry has now been dismantled and large amounts of coal are imported, so that mines all over the UK have closed down. Wales especially was badly affected, leading to high unemployment in former mining areas. Some towns, however, have succeeded in attracting new industries and the beautiful mountainous scenery brings increasing numbers of tourists.



SPORTS

Sports are close to the hearts of many British people. Soccer and rugby are generally played in the winter, and cricket and golf are popular in the summer months. Rugby, cricket, and golf – now played all over the world – originated in the UK, and the rules of soccer developed from games played in English boys' schools.



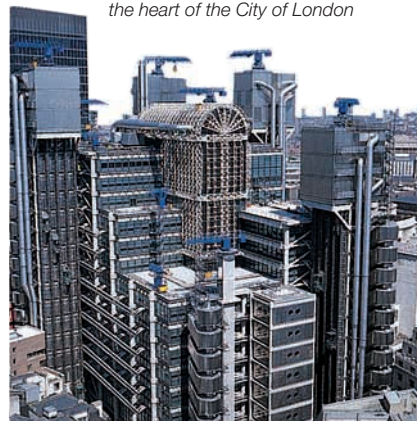
Banking and financial services in particular have helped boost the UK economy.

INDUSTRY

Heavy industry once supplied many jobs in the UK, but this pattern has changed. Now light engineering products, machinery, cars, and weapons are the major exports, and large numbers of people are employed in financial and service industries. These have helped an economy that was flagging, partly because the UK has to import so much of its food and raw materials. Many powerful multinational companies, with offices throughout the world, are also based here.

FINANCE

Each day more currency changes hands in London than in any other city in the world. The City of London, or the "square mile" as it is also known, contains more than 500 banks, attracted to the capital because of its leading role in world finance. This situation partly stems from the former importance of the British Empire, but today it has more to do with the city's location – midway between Tokyo and New York, the other main world financial centers – and the expertise in banking and financial services built up over many years.



The Lloyd's Insurance Building in the heart of the City of London

Hat made from Welsh wool



Scottish tartan scarf

Vest made from Irish linen



NATIONAL IDENTITY

The UK's government is based at Westminster in London, England, but a separate Scottish Parliament and Welsh Assembly – both with certain "devolved" powers – were approved by referendum and were first elected in May 1999. Strong national identities are also deeply rooted through cultural and historic ties as well as by traditional arts, crafts and customs.



NORTHERN IRELAND

Since the 1960s Northern Ireland and its capital, Belfast (above), have suffered violent conflict. The large Protestant community, descended from British settlers, wants to stay within the UK, while Irish Catholics, who have been discriminated against in jobs and housing, wish to join southern Ireland. Both sides have kept up terrorist campaigns, and the Catholic Irish Republican Army has also bombed the British mainland. A peace agreement was signed on Good Friday in April 1998, but getting the two communities to share political power has proved difficult.

Find out more

- COAL MINING: 96, 114, 162
- ETHNIC MIX: 81
- EUROPEAN CITIES: 80
- SERVICE INDUSTRIES: 281



IRELAND

IRELAND

Capital city: Dublin
Area: 27,135 sq miles (70,280 sq km)
Population: 4,000,000
Official languages: Irish, English
Major religions: Christian 91%, other 9%
Government: Multiparty democracy
Currency: Euro
Adult literacy rate: 99%
Life expectancy: 77 years
People per doctor: 500
Televisions: 417 per 1,000 people

IRELAND

THE GREEN PASTURES of Ireland are kept fertile by the country's mild, wet climate. Ireland was once ruled by Britain. In 1922, southern Ireland – which makes up about two-thirds of the island – became an independent nation, while Northern Ireland remained part of the United Kingdom. Natural resources are few and traditionally much of the population was employed in agriculture. However, a dramatic growth in tourism and light industry has radically altered people's lives and has turned Ireland into one of Europe's recent economic success stories.



RELIGIOUS LIFE

The Irish are a devout people and the Catholic Church plays an important role in daily life. Religious processions are held regularly, and shrines, many dedicated to the Virgin Mary (Jesus's mother), are dotted around the country. In addition to running schools and hospitals, the Church has an influence on the social life of the country and opposes abortion and birth control. Divorce was illegal in Ireland until 1995.

IRISH PUBS

Much social life in Ireland centers around the pub, or bar, where people meet to drink, chat, and exchange news. Stories from Irish history are told through songs, and bars are often alive with the sound of folk music. Irish stout – a strong, dark beer with a creamy, pale head – is the favorite drink. One of the largest breweries in Europe is found in Dublin, opened by the Guinness family 200 years ago.



Bustling O'Connell Street is Dublin's major roadway.

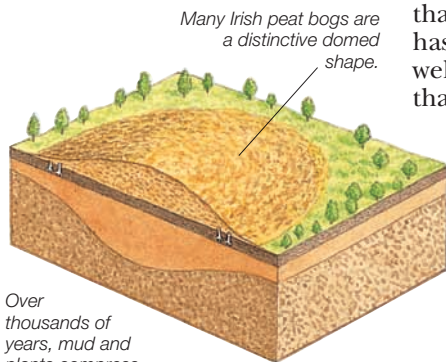
DUBLIN

The capital of Ireland, Dublin, is steeped in the country's history. This compact city was the focus for the revolt against British rule and it was here, in 1922, that the Irish state was born. In recent years, Dublin has attracted manufacturing and service industries, as well as many people from other parts of the country that have come here in search of work.



RACEHORSES

The lush pastures of Ireland provide excellent grazing land for racehorses. These fine Irish thoroughbreds are world famous and frequently win major international races. The animals, bred on stud farms, are valuable sources of income for the Irish economy. Buying and selling horses is also popular, and country horse fairs are a familiar sight.



Many Irish peat bogs are a distinctive domed shape.

Over thousands of years, mud and plants compress to form peat.

PEAT

Ireland has few natural resources, such as coal or oil, that produce energy. What it does have are huge peat bogs. Peat consists of dead, rotted plants that have been compressed and can be burned as fuel. Some villages have their own peat supplies, and there are also vast government-owned areas that are dug out by mechanical cutters. These provide fuel for large power plants that generate electricity.

Peat is still gathered by hand in many parts of Ireland.



The peat is cut out in blocks and then stacked and left to dry.

Find out more

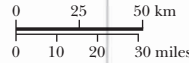
- BEER BREWING: 117
- COAL AND OIL: 96, 152, 162
- NORTHERN IRELAND: 89
- RELIGIONS: 274–275

THE LOW COUNTRIES

THE THREE COUNTRIES IN THIS REGION – Belgium, the Netherlands, and Luxembourg – are known as the Low Countries because much of their land is flat and low-lying. The Low Countries are also called “Benelux” after the customs union they formed in 1948. The Benelux union allows the free flow of goods between the three countries, although each keeps its own tax system. These are the most densely populated countries in Europe, yet their people generally enjoy a high standard of living. Although the region’s traditional heavy industries, such as coal mining, are declining, they are being replaced by modern manufacturing industries and service activities, such as banking and administration.

THINGS TO LOOK FOR ON THE MAP

- Longest river:** Meuse, France/Belgium/Netherlands, 560 miles (901 km) *Map J8*
- Highest point:** Botrange, Belgium, 2,277 ft (694 m) *Map J10*
- Largest lake:** IJsselmeer, Netherlands, 467 sq miles (1,210 sq km) *Map I5*



Rotterdam is Europe's busiest and largest port.

RIVERS

Some of Europe’s most important rivers flow through these countries, linking the interior with the coast. The most useful rivers for transportation and trade are the Rhine, Mosel, and Meuse. At the mouth of the Rhine River stands the port of Rotterdam. Stretching for 12 miles (20 km) along the river, the port can handle 300 cargo ships at a time. Canals are also important for linking the ports with the rivers and inland areas.



NETHERLANDS



BELGIUM



LUXEMBOURG

Luxembourg, Luxembourg

- Jan 33°F (1°C)
July 64°F (18°C)
- Jan 2.4 in (61 mm)
July 2.4 in (61 mm)

De Bilt, Netherlands

- Jan 36°F (2°C)
July 64°F (18°C)
- Jan 2.7 in (68 mm)
July 3 in (77 mm)

FARMLAND

The region’s flat plains are used for grazing dairy cattle and for growing flowers and vegetables. Much of the farmland has been reclaimed from the sea by enclosing areas with earth barriers, called dykes, and draining out the water. The only areas of high land are the forested Ardennes Mountains, which run across the south of Belgium and into Luxembourg.





NETHERLANDS

THIS SMALL, DENSELY POPULATED country is also referred to as Holland, the name of two of its provinces. In the 16th and 17th centuries, Dutch merchants and sailors traveled far and wide, trading in gold and spices. The empire they established stretched from Southeast Asia to the Caribbean. Trade is still of great importance to the Netherlands today, since several large international companies are Dutch, and exports make up about half the country's income. The Dutch are known for their tolerance and for their liberal social attitudes.



AMSTERDAM

This historic city is the capital of the Netherlands and is much visited by tourists. In the 17th century, Amsterdam was a center of world trade. Merchants built the network of canals that crisscross the city and the tall, narrow houses that line the canals. Today, Amsterdam is a world center for diamond cutting and polishing.

NETHERLANDS	
Capital cities: Amsterdam, The Hague	
Area: 16,033 sq miles (41,526 sq km)	
Population: 15,800,000	
Official language: Dutch	
Major religions: Christian 63%, Muslim 3%, other 34%	
Government: Multiparty democracy	
Currency: Euro	
Adult literacy rate: 97%	
Life expectancy: 78 years	
People per doctor: 303	
Televisions: 543 per 1,000 people	

More than half a million people in Amsterdam use bicycles to travel to school or work.



CYCLING

The extreme flatness of the Dutch countryside makes cycling one of the easiest and most popular ways of getting around. Country areas have long-distance cycle routes, clearly posted and shown on maps. Town centers are planned for bicycles rather than cars. The lack of traffic means that more people can live in town centers, and so small, family-run shops are still thriving businesses.

Tulips were first brought to the Netherlands from Turkey in the 1630s, as much for their edible bulbs as for their flowers.



Asian lily bulb

Gladioli bulbs

AGRICULTURE

The Dutch have developed intensive farming methods to get the most from their limited but fertile land. Among the main crops grown are potatoes, barley, and salad vegetables, such as lettuce and tomatoes. Bulbs and flowers are probably the Netherlands' most famous export, particularly tulips. Other major exports are meat and dairy products, including cheeses, such as Gouda and Edam.

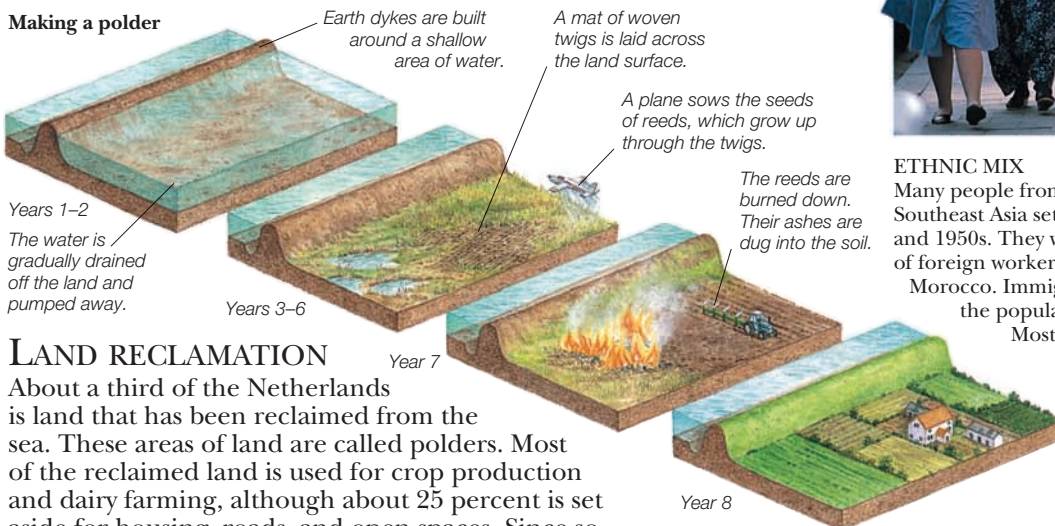


ETHNIC MIX

Many people from the former Dutch colonies in Southeast Asia settled in the Netherlands in the 1940s and 1950s. They were followed in the 1960s by a flow of foreign workers from southern Europe, Turkey, and Morocco. Immigrants now make up about a fifth of the population of the Netherlands' major cities.

Most have full Dutch citizenship. The Dutch pride themselves on their policy of welcoming immigrants and refugees.

Making a polder



LAND RECLAMATION

About a third of the Netherlands is land that has been reclaimed from the sea. These areas of land are called polders. Most of the reclaimed land is used for crop production and dairy farming, although about 25 percent is set aside for housing, roads, and open spaces. Since so much of the land lies at or below sea level, flooding is a serious problem. Huge barrier dams are built to keep the sea at bay, and water levels are monitored.

Find out more

CYCLING: 192
ETHNIC MIX: 81
POPULATION DENSITY: 80
TRADE: 280-281



BELGIUM

BELGIUM IS A FAIRLY NEW country that became independent from its Dutch rulers in 1830. Its current borders were only settled in 1919. The country is split in two by the valley of the Meuse River. To the north lie flat, fertile plains stretching to the coast. A thriving textile industry grew up here in the 16th century around cities such as Bruges, which is still known for its lacemaking. To the south lie the Ardennes Mountains, a region of poor soil and scattered farms.

BELGIUM
Capital city: Brussels
Area: 11,780 sq miles (30,510 sq km)
Population: 10,300,000
Official languages: Dutch, French, and German
Major religions: Christian 88%, Muslim 2%, other 10%
Government: Multiparty democracy
Currency: Euro
Adult literacy rate: 99%
Life expectancy: 79 years
People per doctor: 256
Televisions: 510 per 1,000 people
LUXEMBOURG
Capital city: Luxembourg
Area: 998 sq miles (2,585 sq km)
Population: 453,000
Official language: Letzeburgish
Major religions: Christian 99%, other 1%
Government: Multiparty democracy
Currency: Euro
Adult literacy rate: 99%
Life expectancy: 78 years
People per doctor: 400
Televisions: 391 per 1,000 people

LANGUAGES
Three languages are spoken in Belgium. People in the southern part of the country, close to the border with France, speak French. North of Brussels, most people speak Flemish, a dialect of Dutch. In the far east, the official language is German. In Brussels, most people speak French, but Dutch is also widely spoken.

Main languages



The three languages Dutch, French, and German are spoken in Belgium.



The medieval Grand Place is at the heart of Brussels.

BRUSSELS

Brussels is the capital of Belgium and the center of government and trade. It is also an important international city. As a center of the Benelux union, Brussels has a long history of administering international relations. The city is now home to the administrative center of the European Union.



A Brussels newsstand sells newspapers in at least three languages.

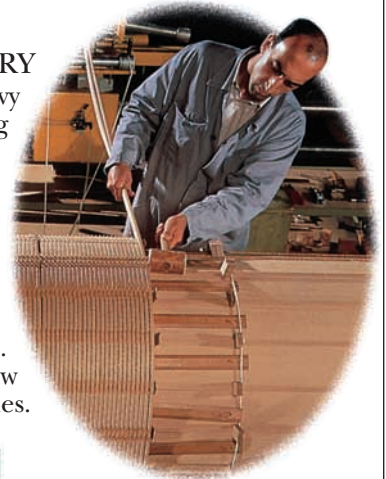


FOOD AND DRINK

Belgian food is a mixture of French and Flemish influences. Soup is very popular and many regions have their own local recipes. A specialty is mussels and fries, which can be eaten in an expensive restaurant or bought from a street stall.

INDUSTRY

Belgium's traditional heavy industries, such as coal mining and steel making, are now in decline. They are being replaced by newer industries such as the manufacture of chemicals and electrical equipment (shown here), and service industries, such as banking and administration. Two out of three Belgians now work in service industries.



TOURISM

As part of the Ardennes Mountain region, much of Luxembourg's countryside is hilly and forested. Tourism is a growing industry as visitors come to discover the unspoiled scenery, picturesque castles, and ancient walled towns.

LUXEMBOURG

SQUEEZED BETWEEN Germany, France, and Belgium, the Grand Duchy of Luxembourg is a tiny state. It has the highest standard of living in Europe and is famous as a center of international banking and finance. Despite its small size, Luxembourg plays a vital part in the European Union. Home to headquarters of major EU institutions, it hosts the European Court of Justice and the secretariat of the European parliament.



This tiny country has been at the crossroads of Europe for centuries. Walled towns and castles, built to offer protection from passing armies, are still dotted across the landscape.

Find out more

- EUROPEAN PLAIN: 79
- EUROPEAN UNION: 81, 273
- RICH AND POOR: 278–279
- SERVICE INDUSTRIES: 281

GERMANY



GERMANY	
Capital city:	Berlin
Area:	137,846 sq miles (357,021 sq km)
Population:	82,500,000
Official language:	German
Major religions:	Christian 67%, Muslim 3%, other 30%
Government:	Multiparty democracy
Currency:	Euro
Adult literacy rate:	99%
Life expectancy:	78 years
People per doctor:	303
Televisions:	580 per 1,000 people

LYING AT THE HEART OF EUROPE, Germany is one of the world's wealthiest nations. In its present form, Germany is also one of the newest countries in Europe. After World War II, it was divided into two separate countries – West Germany, a western-style democracy, and East Germany, a communist state. In 1990, the two parts of Germany were reunited as one country. The eastern part is now struggling to overcome the legacy of economic decay and pollution left by its communist past.



RECENT HISTORY

The reunification of Germany took place on October 3, 1990. Growing protests in East Germany, and the collapse of communism in the USSR, finally led the government to make changes. The Berlin Wall, symbol of Germany's division, was demolished, and East Germans started to flood into West Berlin. The city has regained its status once more as the capital of Germany and the seat of government.



EDUCATION

Young German children go to nursery school, then to primary school. At the age of 10, they move to either a *Gymnasium* (junior high school), a *Hauptschule* (secondary school) or a *Realschule* (vocational school). These last two types of schools specialize in training students in technical skills.



FEDERAL STATES

Germany has only been a single country since 1871. Before that, it was divided into many independent states. Today, Germany is still made up of 16 states, or *Länder* (shown left), with a federal system of government, similar to the US. Each *Land* has its own state government and controls local issues such as education. Many Germans still have a strong sense of regional identity, thinking of themselves as Bavarians, for example, first, and Germans second.



Many provincial cities in Germany were formerly the capitals of independent states. Dresden, shown here, is now the capital of Saxony, a region that was once part of the former East Germany.

THE ENVIRONMENT

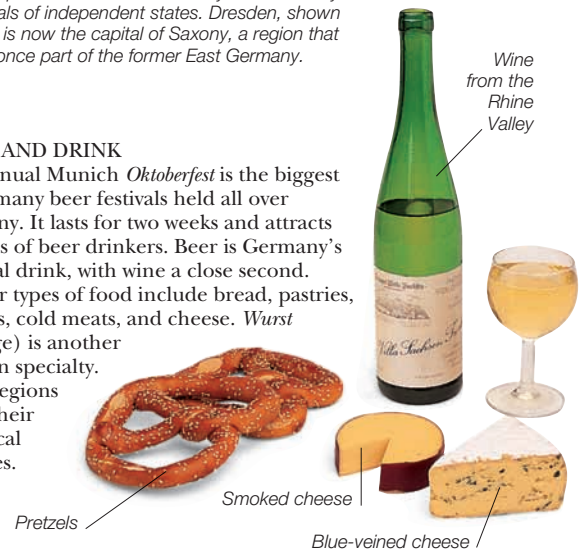
Thanks to the success of the Green Party, Germans are very aware of the need to protect the environment. There are very strict controls on pollution – Germany has led the way in equipping catalytic converters to cars and in using lead-free gasoline. Most houses have three separate trash cans for different types of waste, so that household garbage can be recycled.



Paper waste is collected separately from people's houses and taken to a refuse site like this one for recycling.

FOOD AND DRINK

The annual Munich *Oktoberfest* is the biggest of the many beer festivals held all over Germany. It lasts for two weeks and attracts millions of beer drinkers. Beer is Germany's national drink, with wine a close second. Popular types of food include bread, pastries, pretzels, cold meats, and cheese. *Wurst* (sausage) is another German specialty. Many regions make their own local sausages.





Berlin
 ☀ Jan 31°F (-0.5°C)
 ☀ July 66°F (19°C)
 ☁ Jan 1.8 in (46 mm)
 ☁ July 2.9 in (73 mm)

Cologne
 ☀ Jan 35°F (3°C)
 ☀ July 66°F (19°C)
 ☁ Jan 2.4 in (60 mm)
 ☁ July 2.7 in (69 mm)

THINGS TO LOOK FOR ON THE MAP

Longest river: Rhine, Switzerland/Germany/France/Netherlands 820 miles (1,320 km) *Map D6*

Highest point: Zugspitze, 9,718 ft (2,962 m) *Map H12*

Largest lake: L. Müritz, 45 sq miles (117 sq km) *Map J3*

World's busiest canal: Kiel, 61 miles (98 km) long *Map G2*

Munich
 ☀ Jan 29°F (-2°C)
 ☀ July 65°F (18°C)
 ☁ Jan 2.3 in (59 mm)
 ☁ July 5.5 in (139 mm)



THE LANDSCAPE
 From the flat, fertile plains of the north to the snowcapped peaks of the Bavarian Alps, shown here, the German landscape is extremely varied. One of the country's most famous and most picturesque regions is the Black Forest in the southwest, which gets its name from its dark coniferous trees.

INLAND WATERWAYS
 Germany's extensive network of canals and rivers is vitally important for transporting cargo. Barges are a common sight along rivers, such as the Rhine, carrying goods around Germany and into other parts of Europe. In eastern Germany, the Oder River is an important waterway for taking goods into Poland. On land, Germany has excellent highways and a fast, efficient railroad system.



RELIGION

In the 16th century, a German monk, Martin Luther, attacked the teachings of the Roman Catholic Church in Germany, preaching his own brand of Christianity. The movement he started was called the Reformation, and his followers, Protestants. His movement gained most support in northern Germany, which is still largely Protestant. Most people in southern Germany are Catholic.



This Gutenberg Bible was printed in Germany.

SPORTS

Many of the world's top sports stars have come from Germany, including Boris Becker in tennis, brothers Michael (shown right) and Ralf Schumacher (shown left) in motor racing, and Katja Seizinger in skiing. Soccer is Germany's most popular spectator sport. The West German team was outstandingly successful, winning the World Cup several times. A single, unified German squad first entered competition for the 1992 European Cup.



Foreign workers often took unskilled jobs that Germans were unwilling to do.

NEW GERMANS

As the German economy grew, so did the need for labor. In the 1960s, thousands of people came from Turkey and former Yugoslavia to work in Germany. Life has not been easy for them. They have suffered discrimination and been refused citizenship, despite their contribution to German life. Since 1990, more than a million German-speaking immigrants have arrived from eastern Europe.



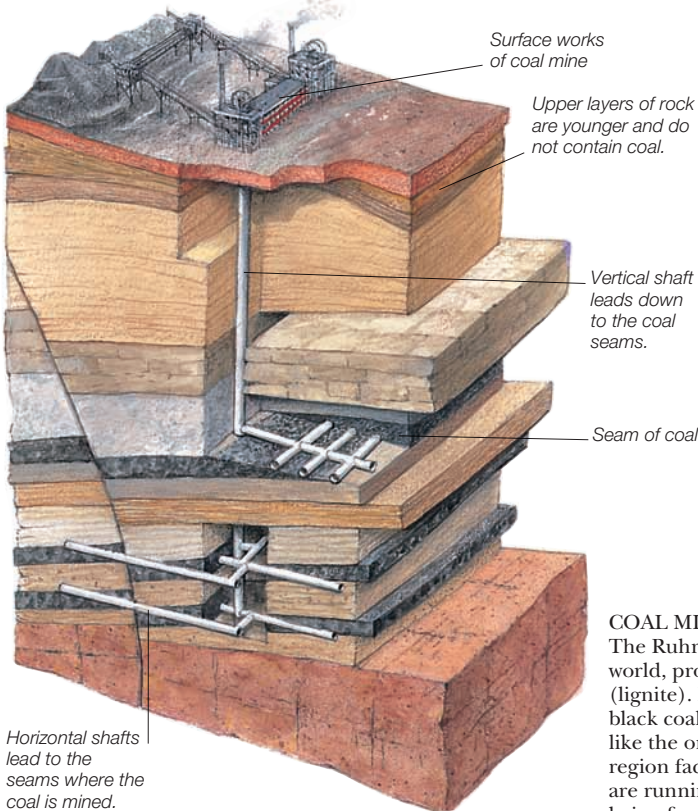
Around a third of German workers are employed in industry.

THE ECONOMY

Germany's industries were completely rebuilt and modernized after World War II. Today, Germany is one of the world's leading industrial nations. This success is largely due to its very strong manufacturing industry. Germany is one of the world's top producers of trucks, ships, electrical goods and cars, with such famous names as Volkswagen, Mercedes, and BMW. These are exported for sale all over the world.

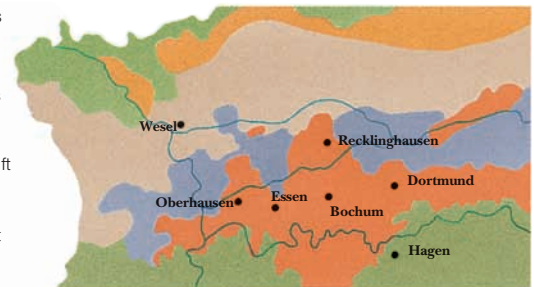
Cross-section through a deep coal mine

Coal deposits, or seams, are removed from the Earth by mining.



Coalfields in the Ruhr Valley

- Current coalfields
- Exhausted surface coalfields
- Coal reserves more than 3,300 ft (1,000 m) deep
- Coal reserves less than 3,300 ft (1,000 m) deep



THE RUHR VALLEY

The Ruhr Valley is the most heavily industrialized region in Germany, and also the most densely populated area, with many large towns and cities. In the 19th century, huge deposits of coal were discovered here. This led to the region's development as the center of iron and steel production, vital for Germany's car industry. At first, coal was mined in the south of the coalfield where it lay near the surface. These seams are now exhausted. Today, mining is concentrated in deeper mines in the north.

COAL MINING

The Ruhr coalfield is one of the largest in the world, producing both black coal and brown coal (lignite). Brown coal is found on the surface, but black coal has to be extracted from deep mines, like the one shown here. Today, the Ruhr region faces serious problems. Coal supplies are running out and other sources of fuel are being found, leaving many people without jobs.

Find out more

- BREAKUP OF USSR: 136
- COAL MINING: 114, 162
- EUROPEAN IMMIGRANTS: 81
- PROTESTANTS: 274

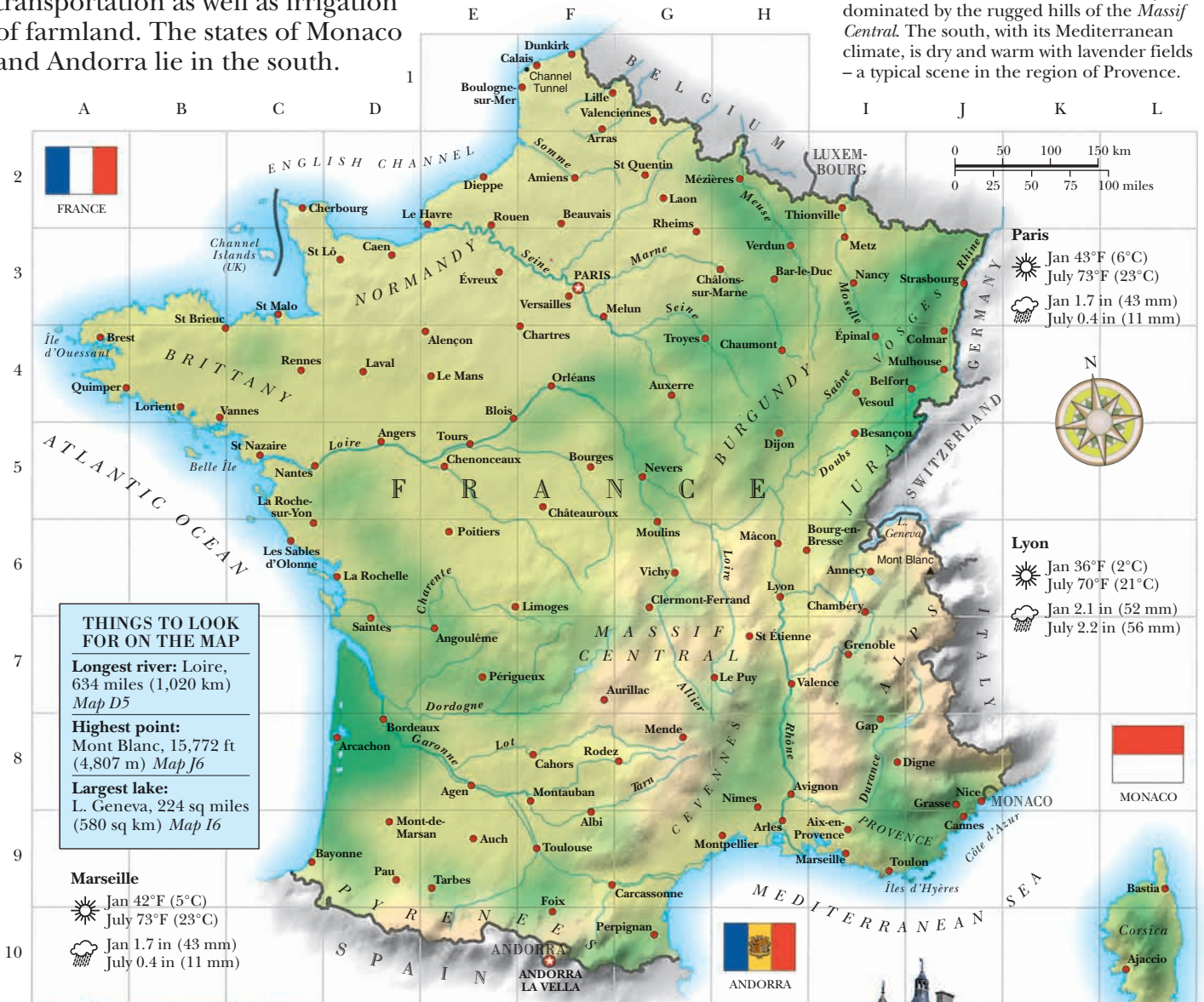
FRANCE

THE LARGEST COUNTRY IN western Europe, France includes the island of Corsica in the Mediterranean Sea. Two major mountain chains, the Pyrenees to the south and the Alps to the east, provide dramatic natural borders with neighboring countries. Several rivers, including the Loire, the Rhône, and the Seine, are important for transportation as well as irrigation of farmland. The states of Monaco and Andorra lie in the south.



LANDSCAPE
The landscape and climate of France varies from north to south. Northern France has gently rolling farmland with cool, wet weather, while the middle of the country is dominated by the rugged hills of the *Massif Central*. The south, with its Mediterranean climate, is dry and warm with lavender fields – a typical scene in the region of Provence.

while the middle of the country is dominated by the rugged hills of the *Massif Central*. The south, with its Mediterranean climate, is dry and warm with lavender fields – a typical scene in the region of Provence.



Paris
☀ Jan 43°F (6°C)
☀ July 73°F (23°C)
☁ Jan 1.7 in (43 mm)
☁ July 0.4 in (11 mm)

Lyon
☀ Jan 36°F (2°C)
☀ July 70°F (21°C)
☁ Jan 2.1 in (52 mm)
☁ July 2.2 in (56 mm)

THINGS TO LOOK FOR ON THE MAP
Longest river: Loire, 634 miles (1,020 km) *Map D5*
Highest point: Mont Blanc, 15,772 ft (4,807 m) *Map J6*
Largest lake: L. Geneva, 224 sq miles (580 sq km) *Map I6*

Marseille
☀ Jan 42°F (5°C)
☀ July 73°F (23°C)
☁ Jan 1.7 in (43 mm)
☁ July 0.4 in (11 mm)



FRENCH HISTORY

For hundreds of years, France was ruled by kings and queens. They built magnificent palaces and castles, such as Chenonceau, along the Loire River. All this was swept away in the revolution of 1789. The monarchy was overthrown and King Louis XVI and his queen, Marie Antoinette, were publicly beheaded. In 1792, France became a republic. Despite some efforts to restore the monarchy, France remains a republic.



FRANCE

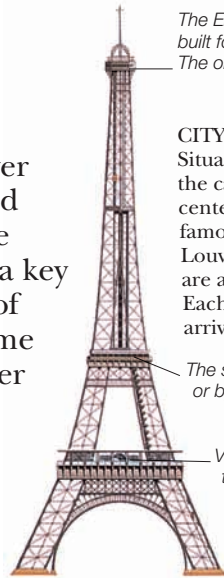
THE INFLUENCE OF French culture, fashion, and food can be seen all over the world. As a leading industrialized nation and founding member of the European Union, France also plays a key role in world affairs. Since the end of World War II, the country has become Europe's major agricultural producer and exporter, with main crops of wheat, sugar beets, sunflower seeds, apples, and grapes used for wine. France boasts the world's fastest train, the TGV, which can travel at speeds up to 320 mph (515 km/h).



FRANCE
Capital city: Paris
Area: 211,208 sq miles (547,030 sq km)
Population: 60,100,000
Official language: French
Major religions: Christian 90%, Muslim 8%, Buddhist 1%, Jewish 1%
Government: Multiparty democracy
Currency: Euro
Adult literacy rate: 99%
Life expectancy: 79 years
People per doctor: 303
Televisions: 601 per 1,000 people

MONACO
Capital city: Monaco
Area: 0.75 sq miles (1.95 sq km)
Population: 32,130
Official language: French
Major religions: Christian 95%, other 5%
Government: Monarchy
Currency: Euro
Adult literacy rate: 99%
Life expectancy: 79 years
People per doctor: 152
Televisions: 768 per 1,000 people

ANDORRA
Capital city: Andorra la Vella
Area: 181 sq miles (468 sq km)
Population: 69,150
Official language: Catalan
Major religions: Christian 94%, other 6%
Government: Multiparty democracy
Currency: Euro
Adult literacy rate: 99%
Life expectancy: 83 years
People per doctor: 385
Televisions: 391 per 1,000 people



The Eiffel Tower is 984 ft (300 m) high and was built for the Paris World Exposition of 1889. The observation gallery can hold 800 people.

CITY OF CULTURE

Situated on the banks of the Seine River, Paris is the capital of France and its cultural and political center. One of the world's most visited cities, its famous landmarks include the Eiffel Tower, the Louvre, and the cathedral of Notre Dame. There are also many museums, shops, and restaurants. Each spring, the world's leading fashion designers arrive in Paris to present their latest collections.

The second level is reached by elevator or by climbing another 700 steps.

Visitors reach the first level by elevator or by climbing up 360 steps.



VILLAGE LIFE

Although many French people have moved from the countryside to live in the cities, village life is still important. Throughout France villages have kept a strong identity, with local festivals, fairs, and weekly food markets. Life centers around the village square, where people often gather to play *boules*, the national game of France.



INDUSTRY

One of the world's leading industrial nations, France has large manufacturing, steel, and chemical industries and competes at the forefront of engineering and technology. The country is a major producer of cars and aircraft, such as this Airbus in its Toulouse factory. France has a large nuclear industry that generates over 75 percent of the country's electrical power. With millions of visitors a year, tourism is also important to the economy.

FOODS OF FRANCE

France has such a range of climates and landscapes that it can produce many different types of food and fine wines. Each region has its own special dish. Central France, for example, is famous for boeuf bourguignon (beef in red wine), while Marseille on the Mediterranean coast specializes in bouillabaisse (fish soup with garlic). France is also known for its breads and pastries, such as croissants, and different types of cheeses.

Crottins de Chavignol cheese



Croissant



Garlic



Oil from lavender is an important ingredient in many perfumes, as well as in soaps and bath oils.

A FINE FRAGRANCE

Some of the world's finest perfumes come from France. Most perfume is made in Grasse in southern France where fields of lavender, roses, and jasmine are grown. Their essential oils are extracted and blended to make a variety of scents. As many as 300 oils may be used in one perfume.

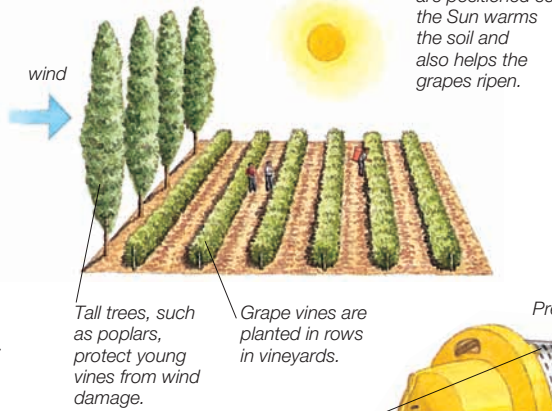
French people relax with friends in a café or restaurant.



WINE MAKING

France produces about a fifth of the world's wine, and vineyards are a feature of the French landscape. Wine is made from the juice of black or white grapes (which are actually red or pale green in color). Although juice was once extracted by people trampling on the picked grapes, today's methods are generally more modern. There are several processes in the production of wine, including fermentation, which mixes a natural yeast on the grape skin with the sugar in the grape. Pressing grapes using a modern press is shown here.

A French vineyard



wind

The rows of vines are positioned so the Sun warms the soil and also helps the grapes ripen.

Tall trees, such as poplars, protect young vines from wind damage.

Grape vines are planted in rows in vineyards.

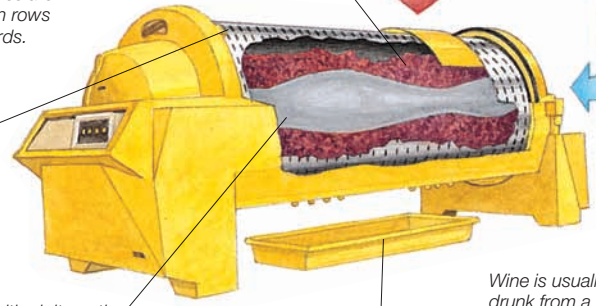


Black or white grapes can be used to make white wine. It is the skins that give red wine its color.

Pneumatic press

Black grapes go through a crusher that tears off the stalks and pumps the grapes into the press.

Air pumped in here to inflate rubber bag



The press revolves to move the grapes around.

As the bag fills with air it gently pushes grapes against the cylinder to press out the juice.

Pressed grapes

Trough to collect grape juice before it is turned into wine

Wine is usually drunk from a tall glass that holds in the flavor.



IMMIGRATION

France has about 6 million immigrants, mainly Muslims from Morocco, Tunisia, and Algeria – France's former colonies in North Africa. People also arrive from Italy, Spain, and Poland in the hope of finding work. Immigrants often face problems such as discrimination, unemployment, and poor housing.



WORLD OF MOVIES

The film industry began in France in 1895 when the Lumiere brothers showed a film to an audience of 33. Today France is one of the leading makers of internationally acclaimed films. The crystal-shaped Kinemax in Poitiers has 10 different theaters and one of the biggest screens in Europe.

MONACO

A TINY COUNTRY ON THE Mediterranean coast, Monaco lies close to the Italian border. The heart of the country is the sophisticated city of Monte-Carlo, famous for its gambling casinos and car racing Grand Prix. Monaco is an independent principality, ruled for more than 700 years by the Grimaldi family. Only a small part of the population is originally from Monaco; more than half the people are citizens of France.



TOURISM

Monaco's warm climate and glamorous image attract thousands of tourists. Many rich people, with yachts moored in the old harbor, choose to live there because it has a low tax rate. Monaco is also a major international business center.

ANDORRA

HIGH IN THE PYRENEES MOUNTAINS, on the border between France and Spain, nestles the country of Andorra. The country is nominally ruled jointly by the president of France and the bishop of Urgel in northeastern Spain. Catalan is the official language, although many people also speak French and Spanish. The country's only large town is the capital city, Andorra la Vella.



THE PYRENEES

The main source of income in Andorra is tourism. Many people come to ski in the Pyrenees, although the only road between France and Spain is often blocked by heavy snow in winter.

Find out more

ETHNIC GROUPS: 81
 EUROPEAN CITIES: 80
 EUROPEAN UNION: 81, 273
 FORMER COLONIES: 208–212

SPAIN AND PORTUGAL

SPAIN AND PORTUGAL OCCUPY a peninsula of land in southwestern Europe called Iberia. For hundreds of years the area was ruled by the Moors, North African Muslims, who introduced orange trees to the region. Iberia is separated from the rest of Europe by the Pyrenees Mountains in the north, and from Africa by the Strait of Gibraltar to the south. Both countries share a warm Mediterranean climate and have economies based on tourism. Fishing off the Atlantic coast is also important.



LANDSCAPE

The landscape of Iberia is dominated by a vast, almost treeless, central plain called the *Meseta*. In summer, it is so hot here that nearly all the streams dry up. In winter, the temperature often falls below freezing and blizzards are common. Rain is so scarce that farmers have to rely on irrigation to water their crops.





CITIES OF SPAIN

Madrid, shown here, became Spain's capital in 1561 because King Philip II liked its climate and central location. Today, the city has a population of some 4 million people and is Spain's center of finance and government. Barcelona is Spain's second city and the capital of Catalonia. It lies at the heart of a large industrial area in the north and was the site of the 1992 Olympic Games.

SPAIN



SPAIN
Capital city: Madrid
Area: 194,896 sq miles (504,782 sq km)
Population: 41,100,000
Official language: Spanish, Galician, Basque, Catalan
Major religions: Christian 96%, other 4%
Government: Multiparty democracy
Currency: Euro
Adult literacy rate: 98%
Life expectancy: 78 years
People per doctor: 303
Televisions: 506 per 1,000 people

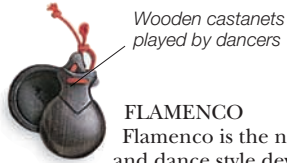
FIESTAS AND FLAMENCO provide much of the flavor of Spain. Most Spaniards are Roman Catholic and fiestas, often to celebrate a local saint's day, include processions of people in traditional clothing, music, and dancing. After a bitter civil war in 1936–39, Spain was ruled by a dictator, Francisco Franco, until 1975. His successor, King Juan Carlos I, has restored democracy. Today, Spain is a major industrial nation with a large agricultural sector and a booming tourist trade. These activities are mainly based near the coasts, while central regions are less developed.



Fan held by flamenco dancer



The guitar originated in Spain in the 16th century. This model is a 19th-century court guitar.



Wooden castanets played by dancers

FLAMENCO

Flamenco is the name given to the music and dance style developed by the gypsies of Andalusia in the 15th century. Dancers in traditional outfits, men in black and women in frilled dresses, stamp their heels and click castanets while flamenco music is played on a guitar.

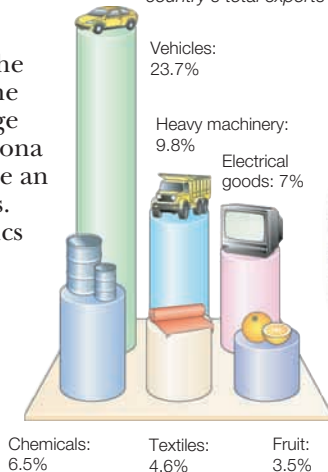


INDUSTRY

Farming and fishing used to be the basis of the Spanish economy. The country has now developed a large steel industry, centered in Barcelona in the north, and has also become an important center for making cars. In the 1980s, many new electronics and high-tech industries were set up, often supported by money from foreign investment. Major agricultural products include cereals, olives, grapes for wine, and citrus fruits, especially oranges from around Seville.

Top six exports

Figures show percentage of country's total exports



PEOPLE OF SPAIN

The Spanish are divided into regional groups, some with their own language and culture. Local languages, include Catalan, Galician, and Euskera from the Basque region, which stretches from northern Spain into France. The official language of Spain, Castilian, is taught in all schools, along with either English or French. Children in Spain tend to stay up late. They have a snack called *merienda* after school, then play outside, with a late family dinner held around 9 pm.

SPANISH RESORTS

About 50 million tourists flock to Spain every year to enjoy the beaches and admire the architecture of cities such as Barcelona and Seville. Beaches on the Costa del Sol, as well as on the Balearic Island of Majorca, shown here, are popular with tourists from Britain and Germany. Bullfighting, held in arenas in most cities, either attracts or repels tourists.



Find out more

- OLIVE GROWING: 130
- POLITICAL SYSTEMS: 270–271
- ROMAN CATHOLICS: 274
- SPANISH EMPIRE: 42



PORTUGAL
Capital city: Lisbon
Area: 35,672 sq miles (92,391 sq km)
Population: 10,100,000
Official language: Portuguese
Major religions: Christian 98%, other 2%
Government: Multiparty democracy
Currency: Euro
Adult literacy rate: 93%
Life expectancy: 76 years
People per doctor: 312
Televisions: 452 per 1,000 people

PORTUGAL

A NATION OF GREAT SEAFARERS, Portuguese explorers sailed the world in the 15th and 16th centuries. They claimed territories as far apart as Africa and Asia, and they also colonized Brazil. From 1932–1968 Portugal was ruled by the dictator António Salazar, but after a military coup in 1974, the armed forces finally withdrew from politics. In 1986 Portugal joined the European Community, but it remains one of the poorest countries in western Europe. Tourism, particularly in the Algarve, is important to the economy.



LISBON
The capital of Portugal, Lisbon, lies at the mouth of the Tagus River. In the 15th century, Lisbon was a major port and world center for the spice and gold trade. The Tower of Belem, shown here, sits on the site where the explorer Vasco da Gama set sail. Today, many old palaces and mansions have been converted into elegant restaurants and bars, shops, and art galleries.

RURAL LIFE

Traditional farming methods, unchanged for centuries, are still used in many parts of Portugal. In some villages, oxen wearing carved wooden yokes still pull the plows. One of the country's main crops is corn, which was brought back from the Americas by Christopher Columbus in the 15th century. Other crops include olives and figs. Wine, cork, and tomatoes are exported abroad and fishing remains important along the Atlantic coast.

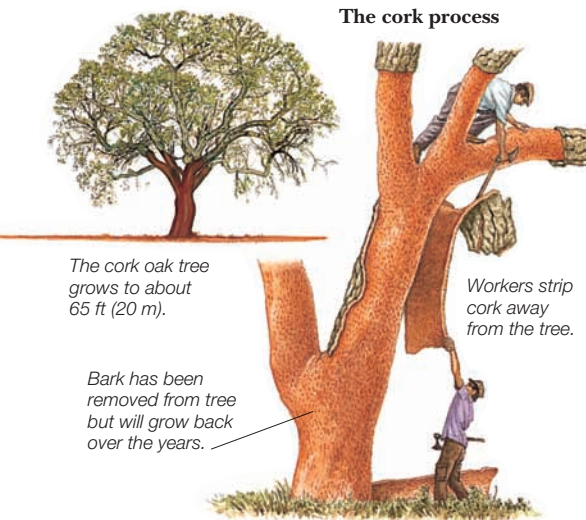


CRAFTS

Traditional Portuguese handicrafts include ceramic tiles, called *azulejos*, which are often used to decorate buildings. Street markets also display other local specialties, such as brightly colored pottery, painted furniture, glassware, and porcelain. Delicate silver filigree jewelry and richly embroidered cloth from the island of Madeira are exported all over the world.



Students celebrate graduation



The cork process

THE CORK INDUSTRY

Almost 10 percent of Portugal is covered with cork oak trees, the bark of which is used to make cork products. The thick, spongy bark is stripped off and left to dry. It is then steamed or boiled to soften it and pressed into sheets ready for use. Portugal is the world's leading exporter of cork for products such as bottle stoppers, tiles, and the insides of badminton birdies. By law, the bark is only removed every nine years so the trees can recover. Trees can provide cork for more than 100 years.



THE PORTUGUESE

Most Portuguese people are Roman Catholics. Family life is very important and girls often live at home until they marry, although more are now continuing their education and taking up careers. The *Queima das Fitas*, a festival held each May, celebrates university graduation. In recent years, as many as 3 million Portuguese have gone abroad in search of work. Some leave families behind, but send money home to support them.

Find out more

- EUROPEAN UNION: 81, 273
- OLIVE GROWING: 130
- POLITICAL SYSTEMS: 270–271
- ROMAN CATHOLICS: 274

ITALY

ITALY WAS FIRST UNITED by the ancient Romans, whose great empire spread across Europe. But for much of its history, Italy has been a divided land. During the Middle Ages, it split into many separate states, not reuniting until 1861. This boot-shaped country stretches from the glaciers and lakes of the mountainous north to the rocky Mediterranean coastline of the hot south. Two Mediterranean islands, Sicily and Sardinia, both belong to Italy as well, but the group of islands to the south of Sicily make up the separate country of Malta. The mainland of Italy also includes two tiny independent states, San Marino and Vatican City.

Milan, Italy

☀ Jan 36°F (3°C)
 ☀ July 76°F (25°C)
 ☁ Jan 1.6 in (44 mm)
 ☁ July 2.5 in (64 mm)

Brindisi, Italy

☀ Jan 48.5°F (9°C)
 ☀ July 77°F (25°C)
 ☁ Jan 3 in (77 mm)
 ☁ July 0.6 in (14 mm)

Valletta, Malta

☀ Jan 54°F (12°C)
 ☀ July 78°F (25°C)
 ☁ Jan 3.5 in (90 mm)
 ☁ July 0 in (0 mm)

THINGS TO LOOK FOR ON THE MAP

Longest river: Po, 405 miles (652 km) *Map B4*

Highest active volcano in Europe: Mt. Etna, 10,705 ft (3,263 m) *Map H13*

Largest lake: L. Garda, 143 sq miles (370 sq km) *Map D3*

LANDSCAPE

The Alps sweep across the north of the region, and the Apennine Mountains form a central spine down the length of Italy, continuing beneath the sea to Sicily. Once covered in dense forest, much of the region's hills are now rocky scrubland, while the lowlands are used for growing crops.





ITALY

ANCIENT TRADITIONS and historic wealth have left Italy a rich legacy of art and architecture. Although Italy is one of the world's leading industrial powers today, there is a great divide between the wealthy, industrial north and the poorer, agricultural south. This economic division affects many aspects of Italian life and is one of the reasons behind the country's rapid turnover of governments. Most people throughout Italy follow the Roman Catholic religion.

ITALY	
Capital city:	Rome
Area:	116,305 sq miles (301,230 sq km)
Population:	57,400,000
Official language:	Italian
Major religion:	Christian 85% Muslim 2%, other 13%
Government:	Multiparty democracy
Currency:	Euro
Adult literacy rate:	99%
Life expectancy:	78 years
People per doctor:	233
Televisions:	420 per 1,000 people



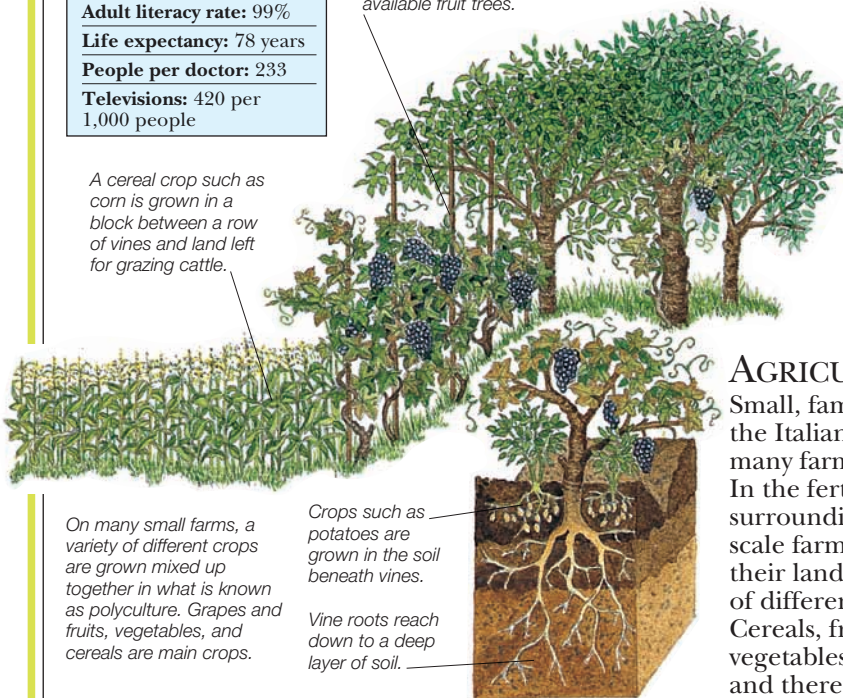
TOURISM
Some of the world's most stunning sights can be found in Italy's cities. Tourists flock to the ancient ruins of Rome and to the palaces and churches of Florence, where the great revolution in art known as the Renaissance was born in the 15th century. The northern ski resorts and lakes are also popular. Tourism is vital to Italy's economy.

OPERA
The three great national passions are fast cars, soccer – and opera. Opera was virtually invented in Italy and performers such as Luciano Pavarotti are household names worldwide. Italian opera is unique in that it is a part of everyday life, and not just a pastime for the wealthy few, as it often is elsewhere.



An opera performance in Verona's Roman arena.

Tall vines scramble up rows of posts and any available fruit trees.



A cereal crop such as corn is grown in a block between a row of vines and land left for grazing cattle.

On many small farms, a variety of different crops are grown mixed up together in what is known as polyculture. Grapes and fruits, vegetables, and cereals are main crops.

Crops such as potatoes are grown in the soil beneath vines.

Vine roots reach down to a deep layer of soil.

AGRICULTURE
Small, family-run farms cover the Italian countryside, and many farmers work part-time. In the fertile northern plain surrounding the Po River, small-scale farmers get the most from their land by growing a variety of different crops close together. Cereals, fruit trees, grapes, and vegetables are widely grown, and there are olive groves in the south. Italy is a leading producer of fruit, wine, and olive oil.



INDUSTRY
Once an agricultural nation, Italy is now a leading industrial country. Since it does not have many natural resources, Italy imports raw materials and uses its highly skilled workforce to turn them into manufactured goods, like the scooter shown here. Italy is a major player in industrial and product design, and fashion.

The hard, strong-tasting Parmesan cheese is made from cow's milk in the north of Italy.



A popular meal is pasta with tomatoes, and often Parmesan cheese.



Pasta comes in many shapes.

Tomatoes grow well in the warm sun around Naples.



FAMILY MEALTIMES
To Italians, life revolves around the family, and large, extended networks of different generations usually live within close proximity. Meals are important family gatherings, and the food differs from region to region. In the north, pasta is often replaced by rice or polenta, made from corn flour. Olive oil and fresh vegetables are also important in Italian cooking.



A family enjoying a lunch together of pasta and fresh vegetables on the southern Italian island of Lipari.

Find out more

- EUROPEAN CITIES: 80
- OLIVE GROWING: 131
- ROMAN CATHOLICS: 274
- WINE MAKING: 99



MALTA

DUE TO ITS STRATEGIC POSITION on Mediterranean shipping routes, Malta has been ruled by many powers over the centuries. It finally became an independent country in 1964. Perhaps because of this history, the Maltese people cling to a strong sense of national identity, mostly following Roman Catholicism and speaking their own language. The country consists of two main islands, Malta and Gozo, and a smaller island called Comino.

MALTA	
Capital city: Valletta	
Area: 122 sq miles (316 sq km)	
Population: 394,000	
Official languages: Maltese and English	
Major religion: Christian 98% Other 2%	
Government: Multi-party democracy	
Currency: Euro	
Adult literacy rate: 93%	
Life expectancy: 78 years	
People per doctor: 345	
Televisions: 735 per 1,000 people	

VATICAN CITY	
Capital city: Vatican City	
Area: 0.17 sq miles (0.44 sq km)	
Population: 911	
Official languages: Italian and Latin	
Major religion: Christian 100%	
Government: Ruled by the Pope	
Currency: Euro	
Adult literacy rate: 80%	
Life expectancy: 66 years	

SAN MARINO	
Capital city: San Marino	
Area: 24 sq miles (61 sq km)	
Population: 28,119	
Official language: Italian	
Major religions: Christian 93%, other 7%	
Government: Multi-party democracy	
Currency: Euro	
Adult literacy rate: 99%	
Life expectancy: 81 years	

SHIPPING

The busy Grand Harbor of Malta's capital, Valletta, is a sign of how vital shipping is to the Maltese economy. This has been true for centuries due to Malta's position on the trade route between Europe and Africa. Many ships still come here to use the port and facilities for ship refitting.



TOURISM

A major source of Malta's income is provided by tourism. Visitors are drawn by its sheltered beaches and coves and its good climate. Another attraction is the country's imposing architecture, a legacy of its history as part of the Roman and Byzantine empires, and later as a British colony. Because of poor soil, farming produces little income. However, light industry, such as clothes manufacturing, is growing in importance.

VATICAN CITY

THE WORLD'S SMALLEST independent state, Vatican City lies at the heart of Rome. This tiny state is the centre of the Roman Catholic Church and the home of the Pope. States ruled by the Pope once stretched right across Italy, and the Vatican is the last survivor. Many visitors are drawn by its religious significance and also its rich cultural legacy. The Vatican has its own flag, national anthem, and stamps, as well as a newspaper and radio station.



This spectacular view is from St. Peter's Basilica. The Pope delivers his messages and blessings to packed crowds in this grand piazza.

SAN MARINO

SITUATED IN ITALY'S MOUNTAINOUS NORTH, San Marino is Europe's smallest republic. It is also one of the oldest, possibly founded around AD 900. During the Middle Ages Italy was divided into powerful "city-states," such as Venice and Florence. These states gradually became absorbed into other, larger territories, but San Marino held on to its independence. The country consists of the capital, also called San Marino, and eight villages. The landscape is dominated by the three peaks of Mount Titano.



TOURISM

The fairy-tale fortress of Rocca Tower, perched high on a rocky outcrop, overlooks San Marino. With few resources, the republic relies heavily on a thriving tourist industry.

Find out more

POLITICAL SYSTEMS: 270–271
 ROMAN CATHOLICS: 274
 SMALL EUROPEAN STATES: 80–81

SWITZERLAND AND AUSTRIA

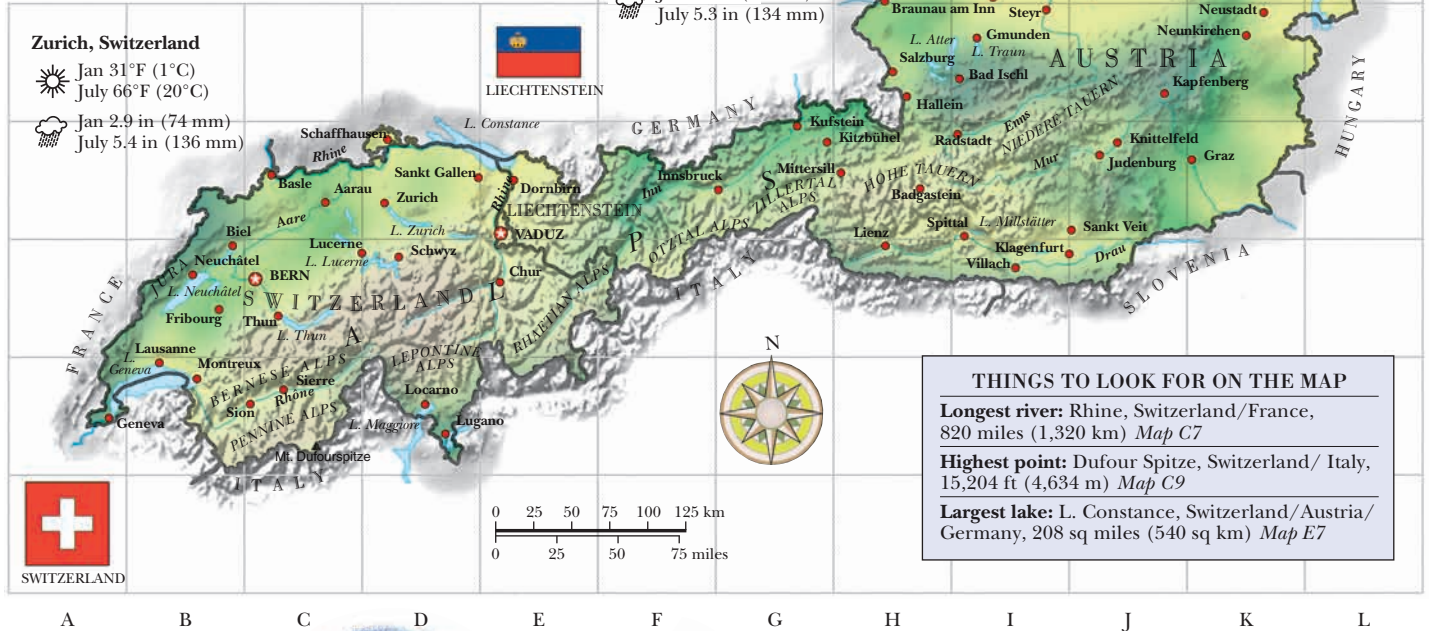
HOME TO EUROPE'S TALLEST MOUNTAINS, the Alps, this region includes Switzerland, Austria, and the tiny state of Liechtenstein. The mountains have shaped the way Switzerland and Austria are organized politically, since communication has been difficult. Each is split up into individual districts with great control over their own affairs.



With no direct access to the sea and few natural resources, both countries have had to maintain good relations with their neighbors and develop specialized industries.

MOUNTAINS AND LAKES

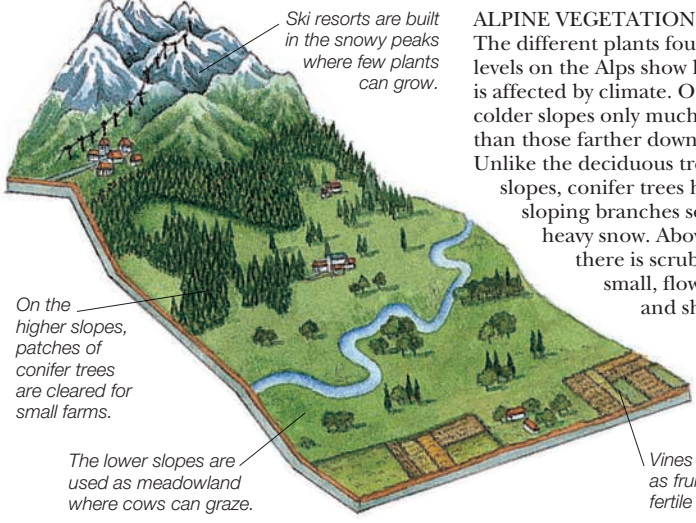
Idyllic scenes of towns and villages next to peaceful lakes are just one of the sights that inspire so many tourists to visit this part of the world. Europe's largest lakes and its highest mountains are found in these two countries.



For centuries, narrow mountain passes have been the main links with surrounding countries.

COMMUNICATIONS

The towering Alps cut through these two countries, forming a massive wall separating northern Europe from the Mediterranean countries farther south. In the past, people had to cross the mountains via steep passes that were often blocked by snow. Today, tunnels and high bridges provide year-round access for road and rail transportation – Swiss engineering firms have become world experts in tunnel construction.



Ski resorts are built in the snowy peaks where few plants can grow.

On the higher slopes, patches of conifer trees are cleared for small farms.

The lower slopes are used as meadowland where cows can graze.

ALPINE VEGETATION

The different plants found at different levels on the Alps show how vegetation is affected by climate. On the upper, colder slopes only much hardier plants than those farther down can survive. Unlike the deciduous trees on the lower slopes, conifer trees have downward sloping branches so they can shed heavy snow. Above the tree line there is scrubland where only small, flowering plants and shrubs can thrive.

Vines and crops such as fruit are grown in the fertile valley bottom.



SWITZERLAND
Capital city: Bern
Area: 15,942 sq miles (41,290 sq km)
Population: 7,200,000
Official languages: German, French, Italian, and Romansch
Major religions: Christian 86%, Muslim 2%, other 12%
Government: Multiparty democracy
Currency: Swiss franc
Adult literacy rate: 99%
Life expectancy: 79 years
People per doctor: 286
Televisions: 525 per 1,000 people
LIECHTENSTEIN
Capital city: Vaduz
Area: 62 sq miles (160 sq km)
Population: 33,145
Official language: German
Major religions: Christian 88%, other 12%
Government: Multiparty democracy
Currency: Swiss franc
Adult literacy rate: 99%
Life expectancy: 79 years
People per doctor: 763

SWITZERLAND

SWITZERLAND HAS BEEN a neutral country since 1815, and has stayed out of all the wars that have affected Europe since that time. It is a country of isolated mountain communities in which people speak several different languages. Despite this, Switzerland is remarkably unified in many ways and has pooled its few resources to create a flourishing economy. Its neutrality and political stability have helped make it a major financial center.

MANUFACTURING

Even though it has virtually no raw materials, Switzerland has made itself a major industrial power. The Swiss have a skilled workforce specializing in producing high-value, lightweight products. Since Switzerland is a small country, Swiss companies have had to export goods in order to find large markets. Many businesses now have branches worldwide.



The pharmaceutical industry is important.

Switzerland is famous for making clocks and watches.



GENEVA

Many of Switzerland's banks and businesses are based in the beautiful lakeside city of Geneva. This city is also home to many international organizations, attracted here by Switzerland's political stability and its neutral status. These include the Red Cross, the World Health Organization, and the European headquarters of the United Nations.

AGRICULTURE

Farming is not easy in such mountainous terrain, but the fertile valleys are used extensively, and fruit and grape vines are grown on warmer, south-facing slopes. Dairy farming is a traditional way of life here. Cattle, sheep, and goats graze on the upland slopes in the warmer months, and are brought down to the valleys for the winter. Their milk is used to produce a variety of cheeses, such as Emmental, or Swiss chesse.

French-speaking Swiss people at a street market in Lausanne



LIECHTENSTEIN

NESTLING IN THE RHINE VALLEY between Switzerland and Austria, this tiny German-speaking principality is one of very few small European states to hold on to its independence. It is not totally independent, though, as Liechtenstein's Swiss neighbor provides its currency, as well as its postal and telephone services, and also directs the country's foreign policy.

SWISS LANGUAGES

Four different languages are spoken in Switzerland, Europe's most multi lingual country. German, French, and Italian are the official languages, but a fourth, Romansch, spoken in remote Alpine villages, has been given the status of a national language.

THE ECONOMY

Financial services are vital to the economy, and investors are drawn here by liberal banking laws and political stability. Intensive agriculture, a thriving small-scale manufacturing industry, and tourism bring in large amounts of revenue. Its varied economy makes this is an extremely wealthy state.

Liechtenstein produces highly decorative postage stamps that are much sought after by collectors. This one celebrates the anniversary of their prince and princess.



Stamp sales are still an important source of income for the state.

<i>Find out more</i>
INTERNATIONAL ORGANIZATIONS: 273
RICH AND POOR: 278–279
SERVICE INDUSTRIES: 281



AUSTRIA

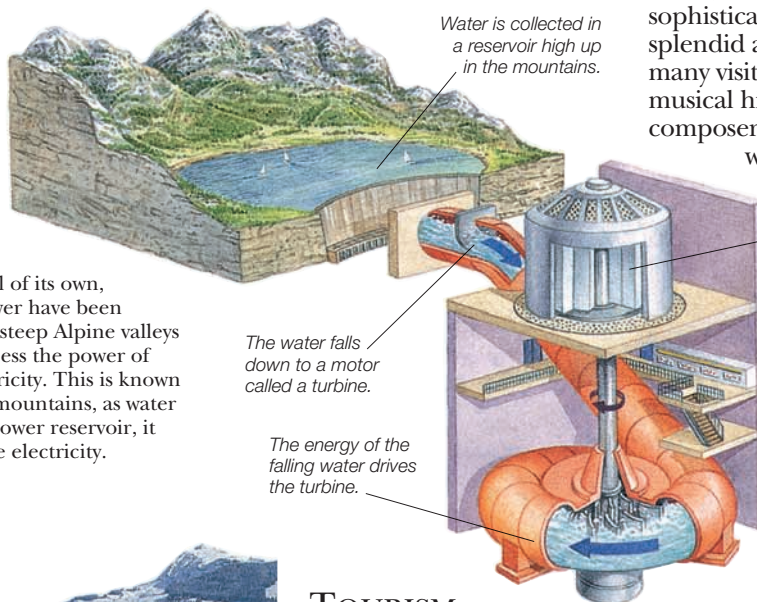
THE SMALL, MOUNTAINOUS republic of Austria was once the center of the vast Austro-Hungarian empire. It first became an independent country in 1918. The Alps cover much of western Austria and fertile lowlands stretch across the east. Dairy herds graze on the mountain slopes and crops such as cereals and fruit grow well in the north. Modern-day Austria is an industrialized nation, with cities such as Linz producing iron, steel, heavy engineering, and chemicals. Austria joined the European Union in 1995.



VIENNA

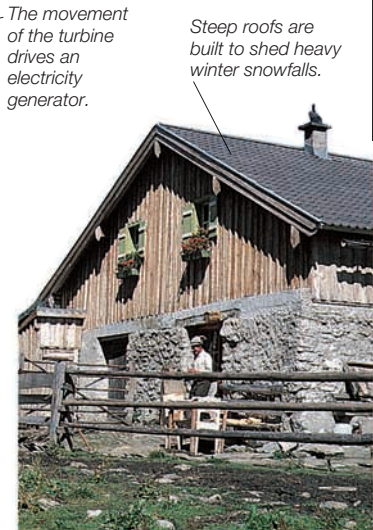
Austria's capital city was once the glittering capital of the Austro-Hungarian empire, and the palace (above) was the residence of its emperors. In the late 1700s and 1800s, Vienna was one of the most sophisticated cities in Europe. Today, the splendid architecture from that era attracts many visitors. Others come to soak up musical history – the city was a magnet for composers, such as Mozart and Beethoven, who hoped to win commissions from the aristocracy.

AUSTRIA	
Capital city:	Vienna
Area:	32,378 sq miles (83,858 sq km)
Population:	8,100,000
Official language:	German
Major religions:	Christian 83%, Muslim 2%, other 1%
Government:	Multiparty democracy
Currency:	Euro
Adult literacy rate:	99%
Life expectancy:	79 years
People per doctor:	312
Televisions:	516 per 1,000 people

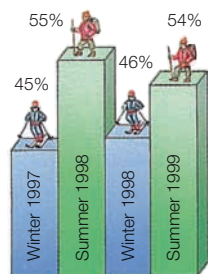


HYDROELECTRIC POWER

Austria has little coal and no oil of its own, so other ways of producing power have been developed. Plentiful rivers and steep Alpine valleys provide an opportunity to harness the power of moving water to generate electricity. This is known as hydroelectric power. In the mountains, as water is released from an upper to a lower reservoir, it powers generators that produce electricity.



Tourism in the Austrian Alps



This chart shows the percentage of tourists visiting Austria in the winter or summer. Winter visitors go skiing; summer visitors go hiking.



TOURISM

Tourism accounts for nearly 20 percent of the country's income. In addition to exploring Austria's historic cities, visitors come to go skiing and hiking. Some of the world's best ski resorts are found here, and favorite summer haunts include the huge lakes nestling in the Alps. Conservation measures are being introduced to protect the land from damage by large numbers of visitors.

Austrians drink their coffee with milk, whipped cream, or strong and black.

VARIED FOOD

Viennese coffee houses are famous worldwide for their vast selection of coffee, cakes, and pastries. Austrian food blends a range of influences – the result of all the different countries that once fell within the empire. For example, the famous *Wiener Schnitzel* (Viennese cutlet) – a breaded and fried piece of veal or pork – may have originated in Italy.



MOUNTAIN HOUSES

In the past, Austrian farmers in the Alps built their steep-roofed houses from wood because trees were plentiful. Animals, hay, and humans were often housed in the same building. Hay was kept under the roof; cattle were kept in the basement; and the farmer's family lived in between. This kind of housing can still be seen in some farming villages, although tourism is changing the face of rural areas.

Find out more

- ALPINE LANDSCAPE: 106
- EUROPEAN UNION: 81, 273
- HYDROELECTRIC POWER: 262
- DANUBE RIVER: 78

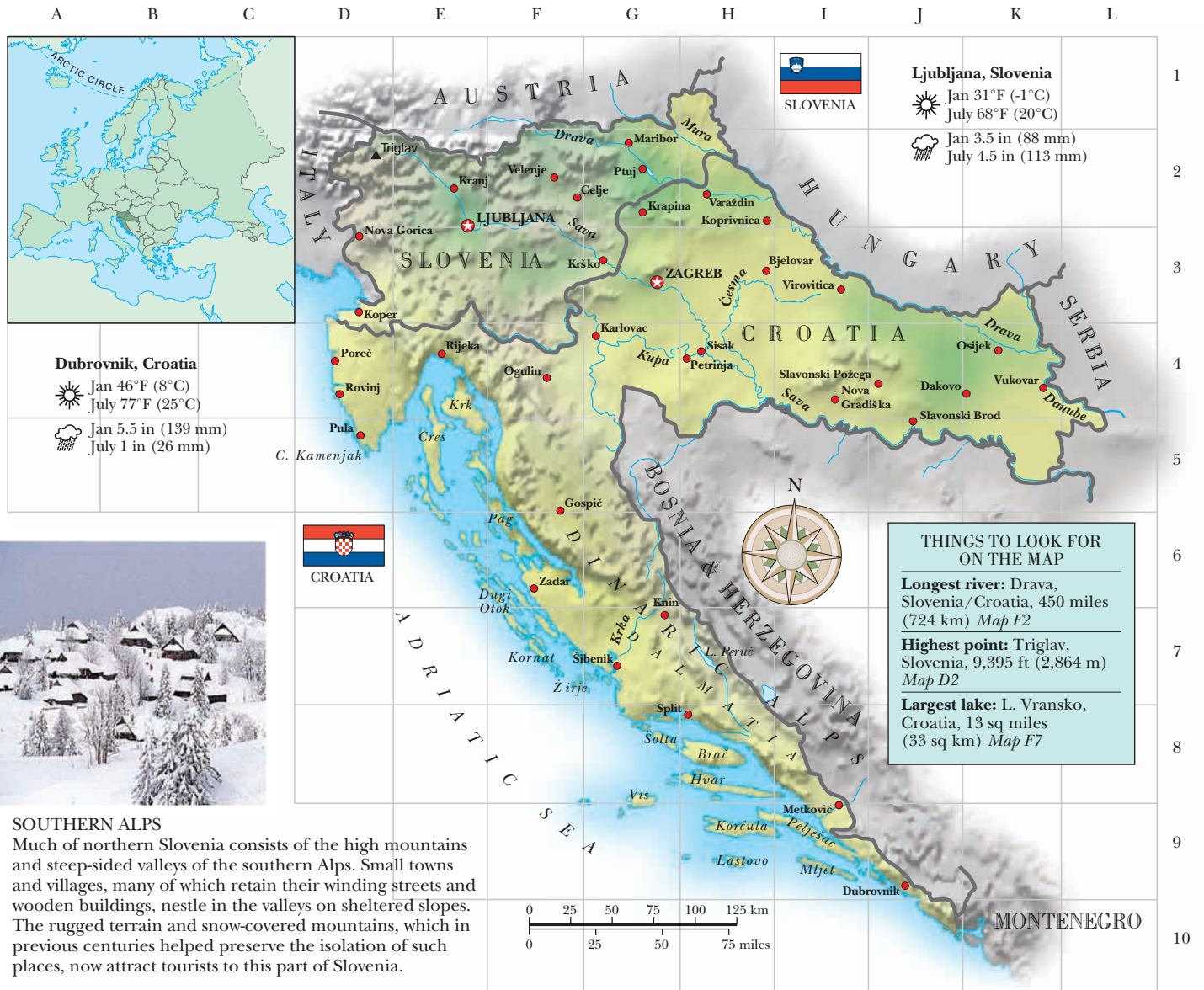
SLOVENIA AND CROATIA

THE COUNTRIES of Slovenia and Croatia stretch from the snow-clad Alps in the north to the sunny Adriatic coast in the south. The area is crossed by the Sava River, which flows past the capital cities of Ljubljana and Zagreb, across a fertile plain, eventually joining the Danube. In the west the Karst region of Slovenia has given its name to a type of scenery associated with limestone rock formations and deep caves. Some caves, such as those at Postojna, are as large as cathedrals. Ruled by Austria and Hungary for centuries, both countries retain strong cultural ties with Europe. At the end of World War I, Slovenia and Croatia were incorporated into the newly formed Yugoslavia but declared themselves independent in 1991.



WALLED CITY OF DUBROVNIK

This ancient Croatian port, with its narrow streets and massive walls, was founded by the Romans in the 7th century. Protected by its fortifications, Dubrovnik grew into a thriving city with trade links throughout the region. The wealth brought by trade encouraged a strong artistic tradition which persists today. Most of the damage from the war in the 1990s has now been repaired.





SLOVENIA

THE SMALL, alpine country of Slovenia lies at the northeastern end of the Adriatic Sea. Formerly ruled by Austria, and later part of Yugoslavia, Slovenia regained its independence in 1991 without getting involved in the ensuing war. It maintains a strategic position in this corner of Europe, and its ports provide Austria with its main maritime outlets. Slovenia joined the EU in 2004.



RIDING SCHOOLS
As long ago as 1580, a stud farm was set up in what is now Slovenia to supply horses to the Spanish Riding School in Vienna. The farm eventually bred the famous snow-white Lippizaner horse. Today they are considered the finest riding horses in the world.

SLOVENIA
Capital city: Ljubljana
Area: 7,820 sq miles (20,250 sq km)
Population: 1,900,000
Official language: Slovene
Major religions: Christian 98%, other 2%
Government: Multiparty democracy
Currency: Euro
Adult literacy rate: 99%
Life expectancy: 76 years

CROATIA
Capital city: Zagreb
Area: 21,831 sq miles (56,542 sq km)
Population: 4,400,000
Official language: Croatian
Major religions: Christian 92%, Muslim 1%, other 7%
Government: Multiparty democracy
Currency: Kuna
Adult literacy rate: 98%
Life expectancy: 74 years



ECONOMY
Widespread forests provide wood for sawmills, furniture, and papermaking industries in Slovenia. In recent years, license agreements with companies in western Europe have allowed local factories to produce a range of cars, trucks, motorcycles, and refrigerators.

SLOVENE PEOPLE

Despite being ruled for almost a thousand years by German-speaking Austrians, the Slovenes have kept their Slav language and folk culture. Colorful embroidery and distinctive headwear, as worn by women at this wedding, are part of that culture. Most people live in small towns or in one of the numerous villages scattered across the country.

Only 300,000 people live in Ljubljana, making it one of Europe's smallest capitals.



Slovene women attend a village wedding.

CROATIA

THE CRESCENT-SHAPED COUNTRY of Croatia was part of Hungary until it was joined to Yugoslavia in 1918. Along with Slovenia, it was the first country to declare its independence in 1991. War erupted almost immediately with Serbia. Until that time, the economy had prospered. Mineral wealth provided the basis for industry while vast areas of fertile land were used for crops. Although the war devastated much of the country, the economy was quick to recover.



The islands along the Adriatic coast are popular with tourists.

TOURISM

A long coastline with hundreds of islands, bays, and secluded beaches, backed by the dramatic Dinaric Alps, has drawn tourists to Croatia for many years. Much of the damage the historic cities of Zagreb, Dubrovnik, and Split received during the war has been repaired, and tourist levels are returning to what they were before the conflict, with over 50 percent coming from Germany, Italy, and the United Kingdom.



The flax plant is harvested when the lower stalk starts to turn yellow.



Linen fiber is obtained by crushing the stalks of the flax plant.

CROATIAN CROPS

The fertile river valleys in the north have a warm climate that is ideal for growing fruits such as plums, apricots, and grapes. Flax is also grown, both for its fiber, which is made into linen clothing and canvas, and for its seeds, which are used for linseed oil.

Find out more

BREAKUP OF YUGOSLAVIA:
81, 124
OIL AND COAL: 96, 152, 162
LUMBER INDUSTRY: 26

BELARUS AND THE BALTIC STATES

TUCKED AWAY in the northwestern corner of the vast landmass that was once the USSR, these four states are now independent countries. Three of the states – Estonia, Latvia, and Lithuania – border the chilly Baltic Sea. The fourth, Belarus, lies inland. The countries are low-lying, with hills, lakes, and marshes and a cool, moist climate. There are few natural resources in this thinly populated area. The peoples represent many different cultural groups and have suffered centuries of hardship from invasions and uprisings.

Tallinn, Estonia

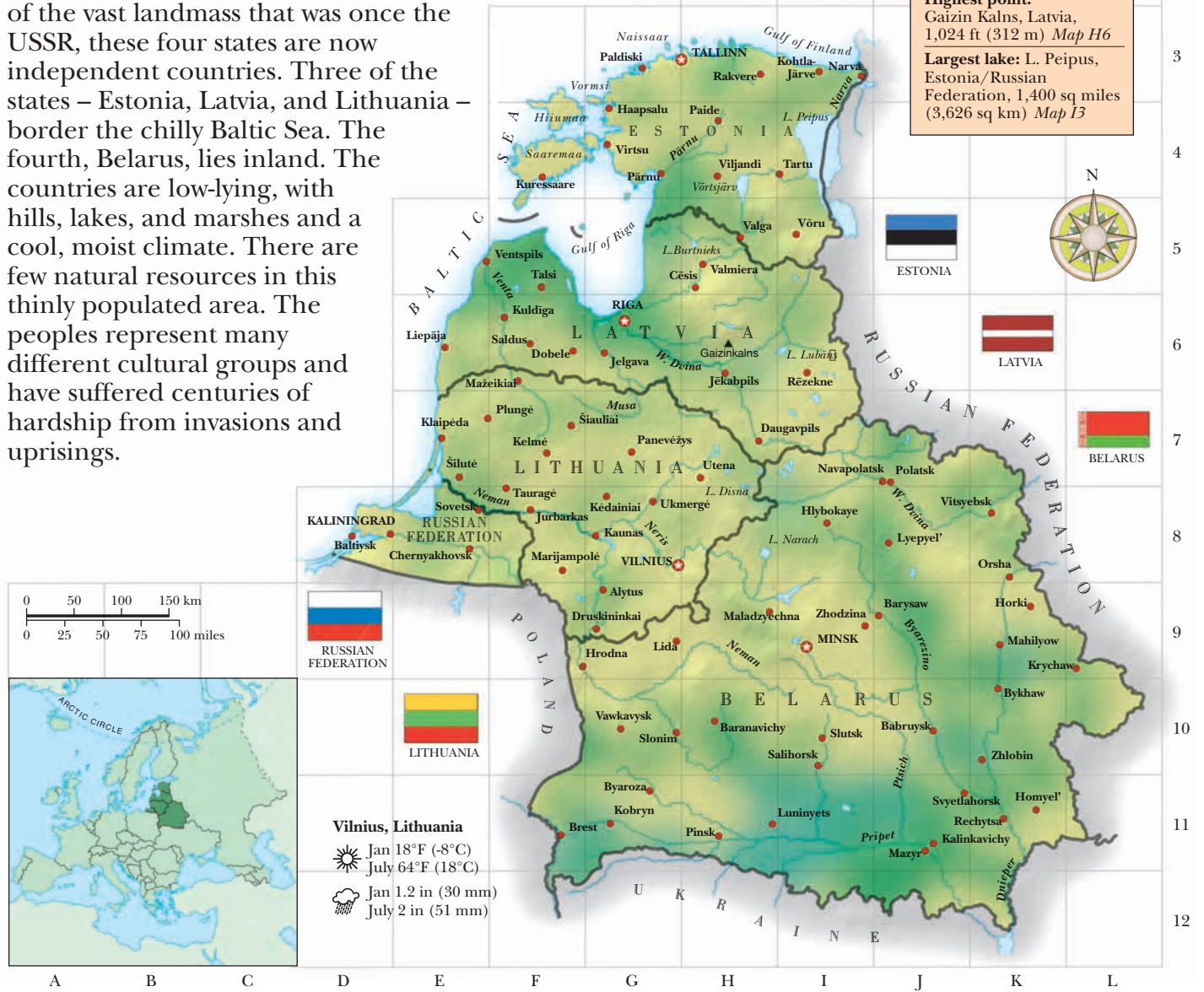
Jan 20°F (-7°C)
July 61°F (16°C)
Jan 1.5 in (39 mm)
July 2.7 in (68 mm)

THINGS TO LOOK FOR ON THE MAP

Longest river: Western Dvina, Russian Federation/Belarus/Ukraine, 633 miles (1,018 km) *Map J8*

Highest point: Gaizin Kalns, Latvia, 1,024 ft (312 m) *Map H6*

Largest lake: L. Peipus, Estonia/Russian Federation, 1,400 sq miles (3,626 sq km) *Map I3*



FARMING AND FISHING

Lack of good farmland and a cold, damp climate limit the range of crops that can be grown in this region. The main crops are cereals, potatoes, and sugar beets. Cattle graze on the wet pastures. Fishing is an important industry in the Baltic States.



INDEPENDENCE

The three Baltic States' struggle for independence during the 1980s played a large part in the USSR's breakup into many separate republics in 1991. At one point, as a form of protest, the people of these states formed a massive human chain across their lands. These Baltic peoples are now trying to forge closer links with neighboring countries, and all three states have joined the EU.

Tawny owls find shelter in the region's dense forests. At night they fly over farmland, hunting for prey.



BELARUS

THIS POOR, RURAL republic is sparsely populated and has few natural resources. However, living conditions have improved greatly since the 1960s when a drive began to develop industry and to provide better housing. In 1986, an explosion at the Chernobyl nuclear power station in Ukraine seriously affected people's health across the country. Two hundred years of Russian rule ended in 1991 with the breakup of the former USSR, and Belarus became an independent republic.



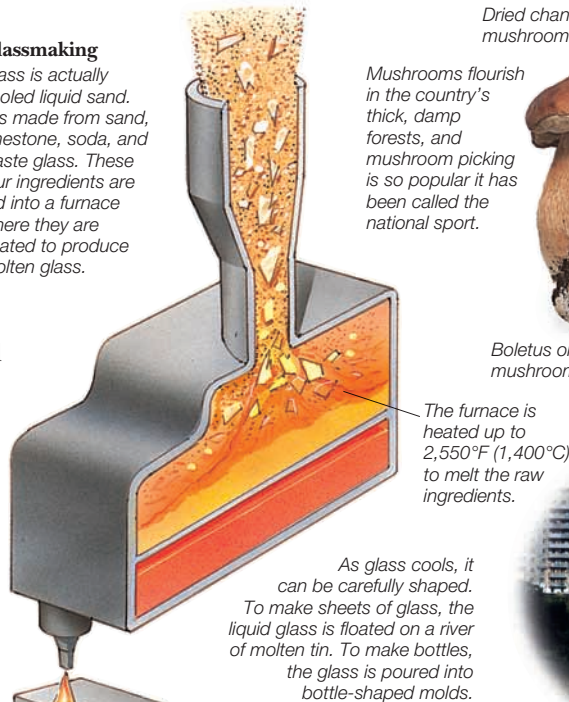
PRIPET MARSHES
Huge areas of southern Belarus are covered in misty, marshy land. The Pripet Marshes form the largest expanse of marshland in Europe. Much of this area is forested with pine, alder, aspen, and oak trees, which supply a growing lumber industry. Animals such as elk, lynx, wild boar, and grouse have made the marshes and forests their home.



BELARUS	
Capital city:	Minsk
Area:	80,154 sq miles (207,600 sq km)
Population:	9,900,000
Official language:	Belorussian, Russian
Major religions:	Christian 68%, other 32%
Government:	Multiparty democracy
Currency:	Belarian rouble
Adult literacy rate:	99%
Life expectancy:	68 years
People per doctor:	222
Televisions:	314 per 1,000 people

Glassmaking

Glass is actually cooled liquid sand. It is made from sand, limestone, soda, and waste glass. These four ingredients are fed into a furnace where they are heated to produce molten glass.



LOCAL FOODS

Mushrooms and potatoes are staple foods. Potatoes cooked in different ways are eaten for breakfast, lunch, and dinner. Mushrooms and sour cream are served with meat dishes, such as baked rabbit or pork. In addition to being enjoyed fresh, mushrooms may be dried or salted and pickled.

INDUSTRY

Heavy industries such as oil refining and machinery manufacturing are important to Belarus. Under the former USSR, large factories were located here to process raw materials from Russia and Ukraine. Reserves of useful minerals, such as oil, rock salt, and types of sand have been discovered. The sands are used to make high-quality glassware.



MINSK

The centrally placed capital city has a history of changing fortunes. Although it was devastated by bombing in World War II, in peaceful times Minsk has blossomed as a center of government, education, culture, and communications. Recently, industrial growth has brought rapid expansion to the city. It is also the headquarters of the Commonwealth of Independent States (CIS), an organization that brings former Soviet states together.

A lump of molten glass called a gob is dropped into a mold.

The liquid glass sinks to the far end.

Air is blown in to make the glass fill the mold.

The glass bottle is left to cool and set before being taken out of the mold.



EDUCATION

During the rule of the USSR, almost everyone in Belarus was taught to read and write. Education was free between the ages of 7 and 17. This firm educational foundation has led to the development of a strong literary and musical heritage within the republic.

Find out more

- EDUCATION: 277
- EUROPEAN CITIES: 80
- FORMER USSR: 134
- OIL: 135, 152, 281



ESTONIA

A LAND OF FORESTS, low hills, and lakes, Estonia is the smallest of the Baltic States. Once a farming nation, the Soviets transformed Estonia into an urban, industrialized region. Today its industries include logging, shipbuilding, and food processing. Since becoming independent from the former USSR in 1991, tensions have sprung up between native Estonians and the third of the population that is Russian.



TALLINN

Roughly one-third of the people of Estonia live in or around the capital city of Tallinn. A regular flow of tourists comes to wander around the narrow, medieval streets of the city's old quarter.

ESTONIA

Capital city: Tallinn

Area: 17,462 sq miles (45,226 sq km)

Population: 1,300,000

Official language: Estonian

Major religions:

Christian 81%, other 19%

Government: Multiparty democracy

Currency: Kroon

Adult literacy rate: 99%

Life expectancy: 71 years

People per doctor: 323

Televisions: 480 per 1,000 people

LATVIA

Capital city: Riga

Area: 24,938 sq miles (64,589 sq km)

Population: 2,300,000

Official language: Latvian

Major religions:

Christian 88%, other 12%

Government: Multiparty democracy

Currency: Lats

Adult literacy rate: 99%

Life expectancy: 70 years

People per doctor: 333

Televisions: 492 per 1,000 people

LITHUANIA

Capital city: Vilnius

Area: 25,174 sq miles (65,200 sq km)

Population: 3,400,000

Official language: Lithuanian

Major religions:

Christian 88%, other 12%

Government: Multiparty democracy

Currency: Litas

Adult literacy rate: 99%

Life expectancy: 73 years

People per doctor: 250

Televisions: 459 per 1,000 people

LATVIA

SANDWICHED BETWEEN the other Baltic States, Latvia's central position, with easy access to the coast and three major ports, has done much to help trade. The cool, damp climate is well suited to dairy farming and meat production. Since becoming independent from the USSR in 1991, Latvia has concentrated on developing its farming, fishing, and logging industries, which had been overshadowed by large-scale factory production under the Soviets.

LITHUANIA

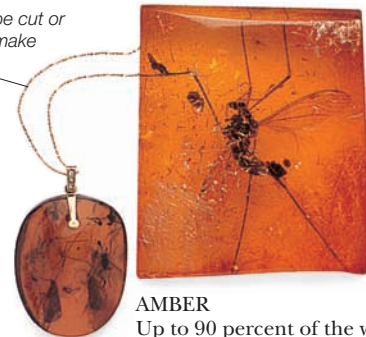
IN MANY WAYS, LITHUANIA stands apart from the other Baltic States. First, most of its people are native Lithuanians, whereas Estonia and Latvia have large Russian populations. Second, life here tends to be concentrated in the interior of the country, away from the coast. The third major difference lies in the fertile soil, which makes farming vital to the economy.

FOLK TRADITIONS

The songs, dances, music, and crafts of their folk history have great value for the people of the Baltic States. Keeping folk traditions alive became especially important as a way of maintaining a sense of identity under Soviet rule. Now, each country has annual folk festivals and parades.



Amber can be cut or polished to make jewelry.



A prehistoric fly has been caught in a tree's sticky resin, which then hardened into amber over time.

AMBER

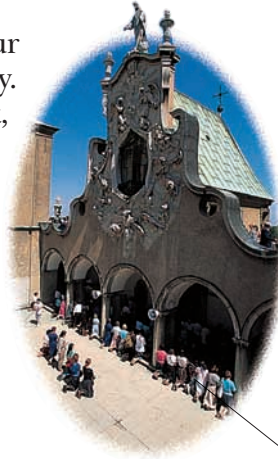
Up to 90 percent of the world's amber comes from the shores of Lithuania, where it is found in sands dating back 50 million years. Amber is a fossilized tree resin, found in chunks of different shapes and sizes. Some is opaque and brown, but the most sought-after amber is yellow or gold. One small piece may contain the remains of insects or plants, trapped forever in the golden resin.

Find out more

EUROPEAN CITIES: 80
FOLK TRADITIONS: 116, 118
FORMER USSR: 134
SHIPBUILDING: 183

CENTRAL EUROPE

THE VERY HEART OF EUROPE consists of a compact block of four countries – Poland, the Czech Republic, Slovakia, and Hungary. This region lies on the north European plain and is largely flat, broken only by low mountains in the south. The country borders within Central Europe have been redrawn many times over the centuries. This is because the flat landscape provides an easy target for invaders, and because the region was surrounded by four mighty empires: Russia, Austro-Hungary, Prussia, and the Ottoman Turks. After World War II, Central Europe came under the control of the former Soviet Union. Now independent, all four countries joined the European Union in 2004.



ROMAN CATHOLICISM
The celebration of saints' days and religious festivals is a regular feature of life in Central Europe, where Roman Catholicism is the main religion. This region was first converted to Christianity about 1,000 years ago. Repeated invasions have led its people to cling to their sense of national identity, and Roman Catholicism is an important part of this.

Each year, thousands of people visit the Black Madonna at Czestochowa, Poland's holiest shrine.



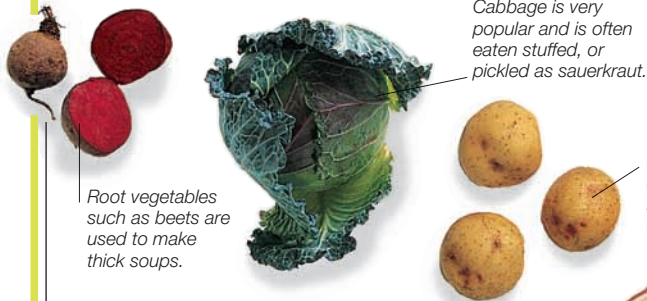
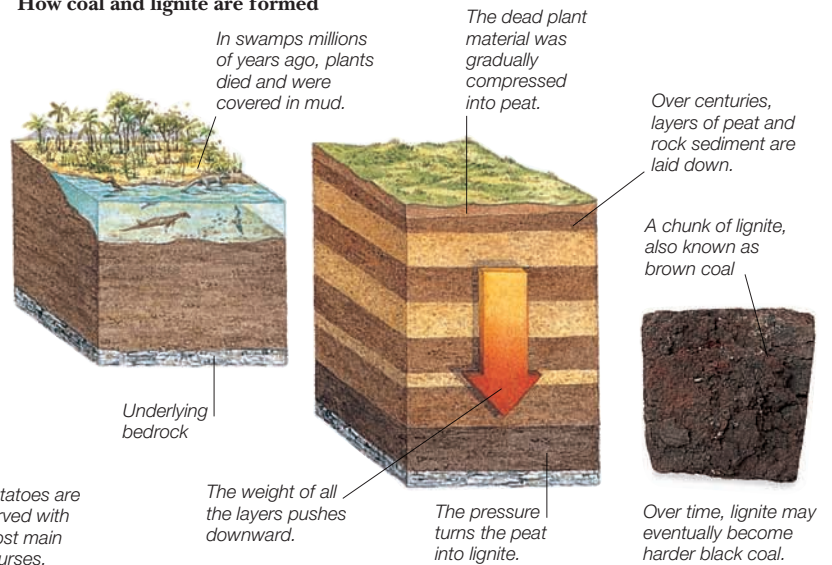
A Hungarian musician in traditional costume

FOLK MUSIC
Weddings, harvest festivals, Christmas, and other kinds of family and religious occasions are marked by music, song, and dance. Local styles vary widely, but traditions are particularly strong in rural areas. In Poland, for example, most musicians are amateurs, only picking up their instruments after a hard day's work in the fields. Slovakian folk music traditions survive mainly in the mountain villages and are associated with brightly colored folk dress.

THE DANUBE RIVER

This major waterway links Slovakia and Hungary to Germany and the Rhine River in the west, and to the Black Sea in the southeast. In the past, the Danube has been a vital trading route for Central Europe, although river traffic has declined recently as trade with the former Soviet Union has fallen off sharply. However, the waters have been dammed to produce an important source of hydroelectric power – a dam at Gabčíkovo now provides 15 percent of Slovakia's electricity.

How coal and lignite are formed



HEARTY FOOD

The more northerly areas of Central Europe tend to have warm summers but very cold winters. Plummeting temperatures have made heavy, warming foods popular here. Influences are strongly German, Austrian, and Russian, and potatoes, dumplings, soups, and meat stews are favorite dishes. To the south, Hungary has a more exotic tradition, featuring highly spiced foods such as goulash – its famous beef stew.



Meat, such as this Polish salt pork called oczek, is a central part of most meals.

LIGNITE

Brown coal, or lignite, is traditionally the main fuel in Central Europe. It is burned in power plants to produce much of the region's electricity. However, lignite is very rich in sulfur, and, when it is burned, its fumes join with moisture droplets in the air to produce a mild form of sulfuric acid, or "acid rain," which eats into stone buildings and destroys plant life. Air pollution in this region is made even worse by vehicle exhaust fumes – although car ownership is relatively unusual, the cars on the road are frequently old models running on inefficient engines.



WILD FOREST ANIMALS
 Bialowieza National Park in Poland is northern Europe's largest area of woodland. Wild animals native to the forest include elk, deer, wolves, and bears, and conservation campaigns have done much to protect them. Special animal breeding programs have been set up here, and it is now the only natural breeding place for wild bison in Europe.

A bison cow feeding her calf in Bialowieza National Park, Poland



FOREST AREAS
 Woodland covers a quarter of Central Europe. In some places, the forest dates back many thousands of years – there are centuries-old oaks near Poznan, in Poland. Acid rain has harmed trees across the region, but especially in Poland, where almost half the trees have been affected.

Ancient forest in Bialowieza National Park, Poland





POLAND

POLAND IS A MIX OF SCATTERED farming villages and magnificent medieval towns. This mainly flat country is larger than the other three countries of Central Europe put together. Once a land of many different peoples, warfare, migration, and border changes in 1945 have made the majority of people now Polish-speaking Roman Catholics. During the 1980s, Poland broke free from Soviet communist control and began the difficult journey toward a more democratic political system.



DEVELOPING INDUSTRIES
Poland is making the transition from a planned, communist-style economy to a free market. It no longer relies on heavy industry such as shipbuilding and coal mining, but is starting to develop industries such as tourism (above) and electronics. A “shock therapy” program during the early 1990s helped the country transform its economy into one of the strongest in Central Europe. Poland joined the NATO alliance in 1999 and the European union in 2004.

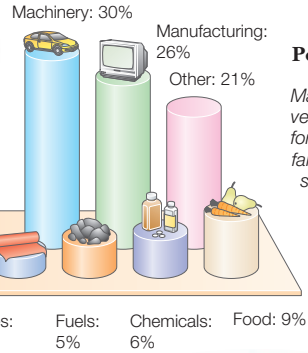
POLAND	
Capital city:	Warsaw
Area:	120,728 sq miles (312,685 sq km)
Population:	38,600,000
Official language:	Polish
Major religions:	Christian 95%, other 5%
Government:	Multiparty democracy
Currency:	Zloty
Adult literacy rate:	99%
Life expectancy:	74 years
People per doctor:	455
Televisions:	413 per 1,000 people



Market in Warsaw

HEAVY INDUSTRY

Under the former Soviet Union, Poland was part of a vast centralized economy. For example, iron would be shipped into Poland, where it was then made into goods such as tractors for export to other parts of the Soviet Union. However, with the arrival of democracy, the country has attempted to find new markets for its goods in the West and Germany is now its main trading partner.



Polish exports

Major exports include vehicles, machinery for industry and farming, and crops such as potatoes and other vegetables. Poland is also a major world exporter of coal and metals.



AGRICULTURE

About a quarter of the nation’s workforce is employed in agriculture. The most important products are potatoes, sugar beets, cereals, and livestock. Some farms specialize in commercial crops, but most grow some crops for selling and some for feeding the family. This is partly because most farms are still small and privately owned, often operated part-time, frequently by elderly or retired owners.



Painted wooden eggs are exchanged at Easter.

Wooden box carved with a traditional pattern

A TRADITIONAL WAY OF LIFE

This nation of small-scale farmers clung fiercely to its local traditions throughout the years of Soviet control. As a result, unlike other countries under Soviet rule, the many small farms were not merged into larger state-run farms. Today, traditions such as horse-drawn plowing are still common in parts of Poland. Local folk arts and crafts flourish, too. Embroidery and woodcarving are often used to decorate household objects, and wooden furniture may be colorfully painted.

MEDIEVAL KRAKOW

The superb medieval buildings found along the city streets of Krakow are a reminder that Poland was a major power during the 15th and 16th centuries, before it was divided up among other countries. Poland has some of the finest old churches, palaces, and public buildings in Europe. Many were destroyed or damaged during World War II, but Krakow’s buildings escaped relatively unscathed. Unfortunately, this is also one of the most air-polluted cities in Europe, due mainly to the nearby Nowa Huta Steelworks.

The main market square in Krakow



Find out more

- AIR POLLUTION: 114
- POLITICAL SYSTEMS: 270–271
- ROMAN CATHOLICS: 274
- SOVIET UNION: 136

CZECH REPUBLIC



CZECH REPUBLIC	
Capital city:	Prague
Area:	30,450sq miles (78,866 sq km)
Population:	10,200,000
Official language:	Czech
Major religions:	Christian 72%, other 28%
Government:	Multiparty democracy
Currency:	Czech koruna
Adult literacy rate:	99%
Life expectancy:	75 years
People per doctor:	294
Televisions:	447 per 1,000 people

AS CENTRAL EUROPE'S most industrialized country, the Czech Republic has a modern economy and a good standard of living. From 1918 until 1993, the Republic was part of the union forming Czechoslovakia. By the 1950s, Czechoslovakia was under Soviet control, but democratic elections in 1990 led to its peaceful split into two countries – the Czech Republic and Slovakia. Much of the Republic lies on a high, mountain-ringed plateau, and its people have a strong national identity.



Bridges over the Vltava River in Prague

PRAGUE

Not far from the historic core of this ancient city, one of the most beautiful capitals in Europe, a booming commercial center has sprung up. The capital is now host to ever-increasing numbers of visitors, coming for both pleasure and business. However, as elsewhere in Central Europe, air pollution is a major problem. It is caused mainly by factories in the commercial quarter, and in the extensive industrial suburbs beyond.

The main grain crops are wheat, and rye.



AGRICULTURE

In contrast to Poland, most of the agricultural land in the Czech Republic is worked by large farms owned by the state or by cooperatives. But, as in Poland, the changeover from a communist to a capitalist economy has proved difficult for farmers as they fight to compete in an open "market economy." Czech farms are very productive, with the highest grain yields in Central Europe. A large proportion of this grain is fed to livestock, since the Republic concentrates on meat and milk production.

THEATER

It is extremely appropriate that the Czech Republic's first president, Vaclav Havel, was also a playwright, since this region has a powerful theatrical tradition that stretches back to the 13th century. Contributions in other areas of the arts, notably music, literature, and film, have come from this region as well.



The Smetana Concert Hall, in Prague, was named after a Czech composer.



Intricate, highly decorated glassware

BOHEMIAN GLASS

For centuries, the fine sands found in this region, once known as Bohemia, have been used for glassmaking. Medieval craftsmen were praised for their breathtaking stained-glass windows. Bohemian glass is renowned for its high quality and delicacy and is still made today.

The brewing process in the Czech Republic



INDUSTRY

Beer is one of the best-known products to come out of this highly industrialized country. Its centuries-old brewing traditions have created such famous brands as Pilsner, made in Plzen since 1925, and Budweiss. Industry in general has a long history here.

As long ago as the 1200s, mountains were excavated for their rich mineral deposits, and mining is still a major employer. Other important industries produce vehicles, explosives, plastics, and textiles.



Budweiser Budvar is a well-known export.

Find out more

- AIR POLLUTION: 114
- GLASSMAKING: 112
- NEW EUROPEAN COUNTRIES: 81
- POLITICAL SYSTEMS: 270-271

SLOVAKIA



SLOVAKIA

SLOVAKIA	
Capital city:	Bratislava
Area:	18,859 sq miles (48,845 sq km)
Population:	5,400,000
Official language:	Slovak
Major religions:	Christian 72%, other 28%
Government:	Multiparty democracy
Currency:	Euro
Adult literacy rate:	99%
Life expectancy:	73 years
People per doctor:	278
Televisions:	402 per 1,000 people

ONCE THE EASTERN PART of Czechoslovakia, this small, beautiful country is much more rural than its highly industrialized neighbor, the Czech Republic. When Czechoslovakia broke free of Soviet control in 1990, the Slovaks felt they were being dominated by the wealthier Czechs and campaigned for independence, which came in 1993. The Slovakian economy was hit hard by the split because it relied on Czech money and resources. In this mountainous land, the Slovak population is divided between different valleys, and the country lacks a geographical focus. Most people speak Slovak, but various dialects are still spoken in the more isolated areas.



BRATISLAVA

This city is one of the youngest capitals in the world – it became the new capital of its new country in 1993. This former residence of an archbishop has been made into the Presidential Palace. Bratislava is the only large city in Slovakia and historically has good links with Austria and Hungary. However, the city’s good communications and modern industry have helped attract interest from foreign investors.

Distribution of lumber and mining



The castle used to control the mine revenues.



BANSKA STIAVNICA

As early as 1156, the term “terra banesium” (land of miners) was used to describe the region. Around 1237 Banská Stiaavnica achieved legal status as a town, making it the oldest mining town in Slovakia. Then, in 1735, the first mining university in Europe was founded here. Ironically, economic stagnation in the 19th century, which halted the town’s development, has led to a valuable tourist revenue in the 21st century, as the plan and architecture of the town have remained intact.

INDUSTRY

Today, one-third of the workforce has jobs in industry, as Slovakia fights for a place in the industrialized world. But the large industries set up by the former communist rulers have been difficult to break up. Some of the major Slovak industries include metallurgy and metalwork (which counts for 33% of all their industry), chemistry, and the alimentary industry, which is industrial production of food. Much of eastern Slovakia is still forested, so logging and papermaking are also important.

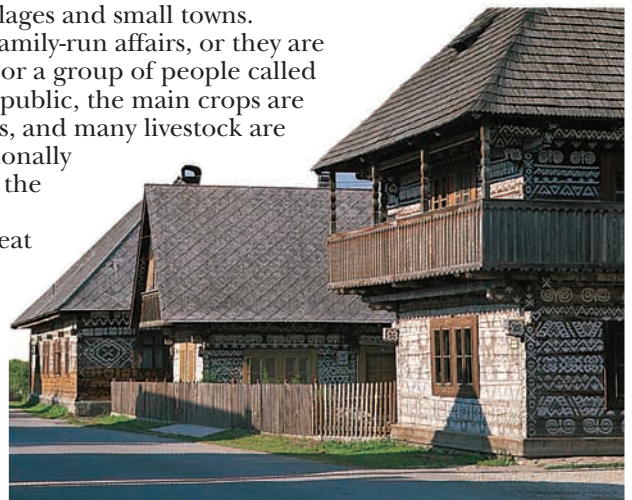
Spis Castle is a national monument and is one of the largest castles in Central Europe.



VILLAGE LIFE

This is a country of mountain villages and small towns. Slovakian farms are either tiny, family-run affairs, or they are large businesses run by the state or a group of people called cooperatives. As in the Czech Republic, the main crops are potatoes, sugar beets, and cereals, and many livestock are kept. Although Slovakia is traditionally rural, only a small proportion of the population is now employed in agriculture. There has been a great drive to develop industry, and many people are moving from the country to the towns.

Traditional wooden houses in Cicmany, Slovakia



UNSPOILED LANDSCAPE

The natural beauty of Slovakia’s countryside gives it huge potential as a tourist destination as long as it remains unspoiled. Here are stunning mountain landscapes, castles perched on rocky outcrops, ancient walled towns, and mineral-rich spas. Great efforts are being made to develop the tourist industry, since there are as yet few facilities for visitors.

Find out more

CEREALS:	34, 122, 162
NEW EUROPEAN COUNTRIES:	81
POTATOES:	110
SOVIET UNION:	136

HUNGARY



HUNGARY	
Capital city:	Budapest
Area:	35,919 sq miles (93,030 sq km)
Population:	9,900,000
Official language:	Hungarian (Magyar)
Major religions:	Christian 71%, other 29%
Government:	Multiparty democracy
Currency:	Forint
Adult literacy rate:	99%
Life expectancy:	72 years
People per doctor:	345
Televisions:	437 per 1,000 people

A BROAD, FERTILE PLAIN sweeps across much of this country, while gentle hills and low mountains are found in the northern and western parts. The most southern country in Central Europe, Hungary has been home to many different peoples, including Germans, Slovaks, Serbs, Croats, Romanians, and Roma. Most Hungarians, however, are descended from the Magyars, who were fierce nomadic horsemen. After World War II, the communists established a harsh rule here, putting down a rebellion in 1956. A democratic government is now in place.



THERMAL SPRINGS AND SPAS
The grand architecture of Budapest's old Turkish baths is a distant echo of the country's past as part of the Ottoman Empire. There are baths and spas all across Hungary, centered on the hundreds of warm springs that gush naturally from the ground. Since ancient times, people have flocked to bathe in these mineral-rich waters, often seeking to cure their ailments.

Flowers being gathered at a vast flower farm run by a cooperative



AGRICULTURE
Since this fertile land is warmed by hot summers and short, mild winters, a wide variety of crops are found here. Cereals flourish, as in other parts of Central Europe, but Hungary also produces sunflowers, fruits, and vegetables, as well as olives, figs, and grapes – there is a thriving wine industry. However, the changeover from a communist to a capitalist economy has caused problems.



Paprika is used in many recipes, and Hungary grows over 40 percent of the world's paprika.

Goulash was originally a basic dish eaten by shepherds.

The parliament buildings on the Danube River in Budapest



BUDAPEST

If you were to take a cruise ship through Budapest along the great Danube River, you would discover that the capital is actually two cities. Buda, on one bank of the river, is the old royal capital, filled with ancient buildings. Across the water lies Pest, the heart of modern business and political life, where the government buildings are found. Budapest has more foreign visitors than any other Central European capital, and almost two-thirds of foreign money invested in Hungary is centered in the city.

The wine industry is modernizing with great speed and is continuing to expand its export markets.

Find out more

- CEREALS: 34, 122, 162
- EUROPEAN PLAINS: 79
- POLITICAL SYSTEMS: 270–271
- WINE MAKING: 99



A sauce of tomatoes, paprika, onions, and sour cream is served with fish, as well as on meat dishes such as goulash.

CUISINE

The varied crops produced in Hungary mean that it has developed some distinctive dishes. Hungary's national dish is a famous beef and vegetable mix called goulash, served as a stew or a thick soup. A hot red pepper called paprika is added to give goulash its spicy flavor. Other examples of the rich and heavy cuisine include carp in paprika sauce, pastry filled with liver pâté, and grilled meats served with stuffed peppers.



INDUSTRY

Hungary's many industries produce metals, chemicals, and vehicles as well as textiles and electrical goods. Since a democratic government gained control in 1990, the country has had to compete in a worldwide market. Many firms have been privatized, and some industry has declined. However, Hungary's population has highly developed skills, especially in science and engineering, and it attracts more foreign investment per person than any other country in Central Europe.

UKRAINE, MOLDOVA, AND THE CAUCASIAN REPUBLICS

THE GRASSY STEPPE LOWLANDS of Ukraine and Moldova lie in the east of Europe. Farther east, the three mountainous Caucasian Republics of Georgia, Armenia, and Azerbaijan lie between the Black Sea and the Caspian Sea, cradled by the Caucasus Mountains. From the 17th century on, the Russian Empire dominated this region, and in the 20th century it became part of the USSR, regaining independence only in the 1990s. Fertile farmland and a wealth of natural resources have made this area one of the richest parts of the former USSR. The region's mountains give it protection from the extreme cold of the Russian winters, and this may help encourage a future tourist industry, particularly along the Black Sea coast.



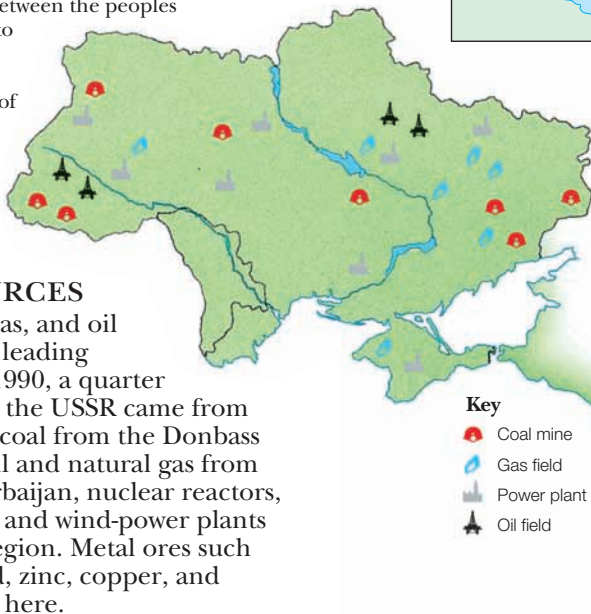
These children at a wedding in Azerbaijan are from different ethnic groups.

PEOPLES

The people of Ukraine and Moldova are mostly European, while more than 50 different ethnic groups exist in the Caucasian Republics. The USSR tried to wipe out differences between the peoples of its empire by forcing them to use the Russian language and by suppressing local culture. However, many of the people of this region have a proud and ancient history and have struggled to hold on to their own languages and culture.

NATURAL RESOURCES

Large deposits of coal, gas, and oil have made this region a leading producer of energy. In 1990, a quarter of all the energy used in the USSR came from this area. In addition to coal from the Donbass Basin in Ukraine, and oil and natural gas from the Caspian Sea off Azerbaijan, nuclear reactors, hydroelectric programs, and wind-power plants have been built in the region. Metal ores such as iron, manganese, lead, zinc, copper, and uranium are also mined here.



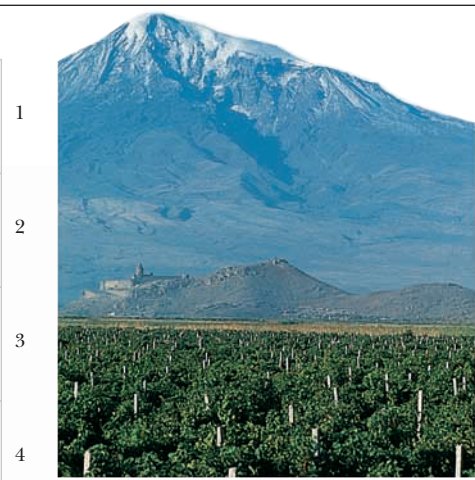
- Key**
- Coal mine
 - Gas field
 - Power plant
 - ▲ Oil field



Azerbaijan's huge oil reserves are now starting to be exploited.



THINGS TO LOOK FOR ON THE MAP
Longest river: Dnieper, Russian Federation/Belarus/Ukraine, 1,420 miles (2,285 km) *Map G5*
Highest point: Shkhara, Georgia, 17,071 ft (5,203 m) *Map O12*
Largest lake: L. Sevan, Armenia, 546 sq miles (1,414 sq km) *Map Q14*



FARMING
 The Caucasus Mountains protect the three republics from cold northerly winds and allow farmers to cultivate many exotic crops that cannot be grown elsewhere in the region. Crops such as tea, grapes, nuts, tobacco, and cotton are sold to countries of the former USSR. Cattle and sheep are grazed on the high mountain pastures.



A variety of crops are grown in Armenia on the broad plain beneath Mount Ararat.

Crops such as tea, figs, almonds, and grapes flourish in the region's fertile soil and mild climate.



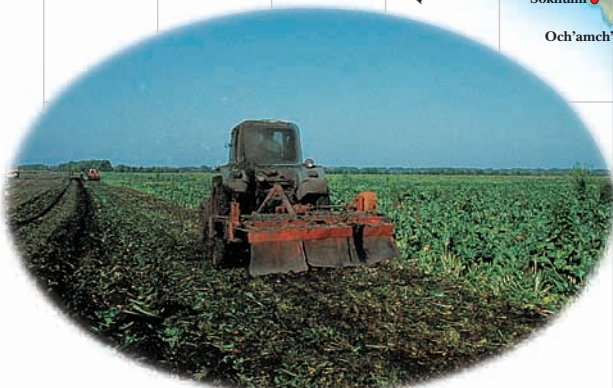
Fighting in Georgia has brought instability to the region.

Tbilisi, Georgia
 Jan 37°F (3°C)
 July 77°F (25°C)
 Jan 0.7 in (17 mm)
 July 1.8 in (46 mm)

CONFLICTS IN THE REGION
 Since these countries gained their independence from the USSR, several conflicts have sprung up. Different ethnic groups are trying to stake their claim to territory, particularly in the Caucasian Republics. Tension exists in Ukraine and Moldova between the local ethnic groups and the large numbers of Russians who were brought into the area under Soviet rule.



Yerevan, Armenia
 Jan 22°F (-6°C)
 July 78°F (26°C)
 Jan 0.9 in (23 mm)
 July 0.6 in (15 mm)



FERTILE PLAINS
 Vast fields of cereal crops such as wheat, barley, oats, and corn cover the gently rolling, treeless steppes of Ukraine and Moldova. There is less rain here than in the Caucasian Republics, but broad, slow-flowing rivers, such as the Dnieper and the Dniester, provide plentiful water to irrigate the fertile, dark soil.



UKRAINE

WITH ITS VAST, FERTILE PLAINS and huge coal resources, Ukraine could be one of the most powerful countries of the former USSR. Following independence in 1991, relations with the Russian Federation were poor, because the two countries disagreed over ownership of weapons and ships belonging to the former USSR. Ethnic tension is a problem, too, as one in five of the population is Russian. In 1986, the world's worst nuclear accident, at the Chernobyl nuclear power plant, contaminated a huge area, affecting people, animals, and even the soil.

Kiev is situated on the Dnieper River, Ukraine's main waterway.



KIEV
Ukraine's capital city has been overrun repeatedly by powerful invaders. In the 9th century, it was the center of a trading empire founded by the Vikings. It was invaded by the Mongols, and then by the Polish-Lithuanian Empire in the 14th century. In the 17th century, Kiev fell to the Russian Empire, later to become part of the USSR. Heavily bombed in World War II, Kiev was rebuilt in the 1950s-1960s and is now a center for communications, culture, and education.



HEAVY INDUSTRY

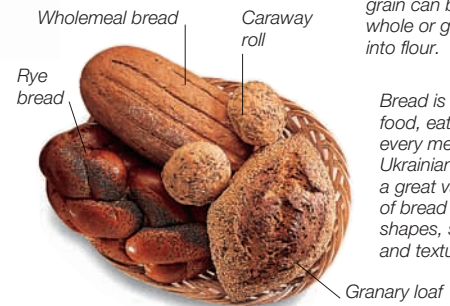
The Donbass Basin in eastern Ukraine is Europe's largest coalfield. It is also a major industrial area, with local coal and hydroelectricity powering one of the world's largest iron and steel industries. Factories process metals into finished products, including ships and machinery. However, many mines and factories are inefficient and new investment is needed.

CEREAL CROPS

Almost three-quarters of Ukraine is covered by fertile plains known as steppes. Much of this land is used to grow cereals. The huge quantities of wheat, corn, barley, oats, buckwheat, and rye Ukraine produces earned it the title "bread basket of the Soviet Union." However, farmers are not realizing the land's full potential due to a lack of new technology.



Grains of cereal grow on the ears of each plant. This grain can be eaten whole or ground into flour.



Bread is the main food, eaten with every meal. Ukrainians bake a great variety of bread in all shapes, sizes, and textures.

UKRAINE
Capital city: Kiev
Area: 223,090 sq miles (603,700 sq km)
Population: 47,700,000
Official language: Ukrainian
Major religions: Majority of population is Christian
Government: Multiparty democracy
Currency: Hryvna
Adult literacy rate: 77%
Life expectancy: 75 years
People per doctor: 556
Televisions: 490 per 1,000 people
MOLDOVA
Capital city: Chisinau
Area: 13,067 sq miles (33,843 sq kms)
Population: 4,300,000
Official language: Moldovan
Major religions: Christian 99%, Jewish 1%
Government: Multiparty democracy
Currency: Moldovan leu
Adult literacy rate: 99%
Life expectancy: 67 years
People per doctor: 370
Televisions: 297 per 1,000 people

MOLDOVA

THIS SMALL, RURAL country was part of Romania before being taken over by the USSR in 1940. Although it is the most densely populated republic of the former USSR, native Moldovians make up fewer than two-thirds of the population. After independence ethnic unrest broke out and minority groups including Russians and Ukrainians wanted independence. Although there is now peace, tensions still remain.



Most of the population lives in country areas and makes a living from small-scale farming.

AGRICULTURE

Moldova's fertile soil and mild climate allow a variety of crops to be grown, such as corn, sunflower seeds, tobacco, and vines. Much of the produce is exported to countries of the former USSR to raise cash for vital imports such as oil - Moldova has few mineral resources of its own. Industries related to farming, such as food processing, are important, too.

Find out more

BREAKUP OF USSR: 136
CEREALS: 34, 162
COAL MINING: 96, 114, 162
ROMANIA: 128



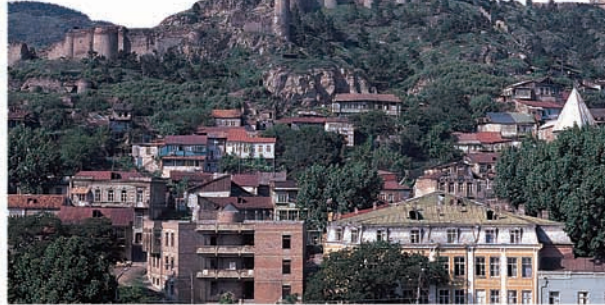
GEORGIA
Capital city: Tbilisi
Area: 26,911 sq miles (69,700 sq km)
Population: 5,100,000
Official language: Georgian, Abkhazian
Major religions: Christian 83%, Muslim 11%, other 6%
Government: Multiparty democracy
Currency: Lari
Adult literacy rate: 99%
Life expectancy: 73 years
People per doctor: 256
Televisions: 473 per 1,000 people
AZERBAIJAN
Capital city: Baku
Area: 33,436 sq miles (86,600 sq km)
Population: 8,400,000
Official language: Azerbaijani
Major religions: Muslim 87%, Christian 12%, other 1%
Government: Multiparty democracy
Currency: Manat
Adult literacy rate: 97%
Life expectancy: 65 years
People per doctor: 278
Televisions: 254 per 1,000 people
ARMENIA
Capital city: Yerevan
Area: 11,506 sq miles (29,800 sq km)
Population: 3,100,000
Official language: Armenian
Major religions: Christian 94%, other 6%
Government: Multiparty democracy
Currency: Dram
Adult literacy rate: 99%
Life expectancy: 75 years
People per doctor: 328
Televisions: 218 per 1,000 people

GEORGIA

GEORGIA IS A LAND OF MOUNTAINS. The Caucasus range forms a barrier with Russia in the north, while snowy peaks overlook the Black Sea in the west. The country's sheltered fertile soil is suited to growing grapes, and Georgia is said to be the birthplace of wine. Its position between the Caspian and Black seas gives Georgia control over the movement of oil and other goods between countries in the region.

TBILISI

The buildings of Georgia's capital rise steeply from the banks of the Kura River. Tbilisi is a uniquely multicultural city, with a synagogue, mosque, Georgian basilica, Armenian church, and a Zoroastrian fire-worshiper's temple within a few minutes walk of each other.



A LONG LIFE

Georgia holds a remarkable world record. More people here live to be over 100 years old than anywhere else in the world. Many centenarians continue to lead active lives, some up to the age of 120. Scientists cannot explain it, but they think that the combination of good climate, a healthy, balanced diet, a rural environment, and outdoor work are all part of the secret.

AZERBAIJAN

THIS HOT, DRY COUNTRY lies along the coast of the Caspian Sea. In the 8th century, the Persians named the area Azerbaijan, "the land of flames," when they saw burning natural gas seeping from the ground. The Azerbaijani people are Muslims who conquered the region in the 11th century. Tensions exist over the Nagorno Karabach region, which is populated mainly by Armenians.



OIL PRODUCTION

Before oil was discovered in the Gulf states, Azerbaijan supplied half the world's oil output from oil fields near its capital, Baku. Today, villages on floating platforms house workers who drill for oil under the Caspian Sea. A new pipeline opened in 2005, taking oil from Baku via Tbilisi in Georgia to Ceyhan in Turkey on the Mediterranean Sea, promising great wealth for Azerbaijan.

ARMENIA

THIS TINY, MOUNTAINOUS state is the smallest of all the former republics of the USSR. Armenia was the first state in the world to adopt Christianity and is today bordered by three Islamic countries. With no access to the sea, Armenia relies on its neighbors for road and rail links to the outside world, but conflict with Azerbaijan has affected much-needed supplies of raw materials and fuel.



FARMING

Farming is the main source of employment in Armenia. Sheep and cattle graze on the high mountain slopes, while fruit trees and cereals are grown lower down.

Find out more

BREAKUP OF USSR: 136
 GAS: 163, 198, 211
 OIL: 135, 152, 281
 RELIGIONS: 274-275

SOUTHEAST EUROPE

MUCH OF SOUTHEAST EUROPE consists of rugged mountains separated by deep river valleys. The area was called the Balkans, meaning “mountains” by the Turks, who ruled this area for 500 years until the early part of the 20th century. From 1918 until 1991, all these states, together with Croatia and Slovenia, were part of the newly created Yugoslavia; only Albania remained independent. After the fall of communism in Europe, age-old rivalries began to emerge. This led to the collapse of Yugoslavia and a vicious war that lasted from 1991—99. Kosovo is the latest country to declare independence, however its statehood is not universally recognised yet.



CROSSROADS OF CULTURE

History has placed this area at the crossroads of many different empires and each has left its influence on the language, customs, and religions of the people. Here, in the Bosnian city of Mostar, church spires belonging to Orthodox Christian and Roman Catholic churches mingle with the mosque minarets of Islam, the religion introduced by the Turks in the 15th century. Today new cultural landscapes are being created as groups try to re establish their national identity.



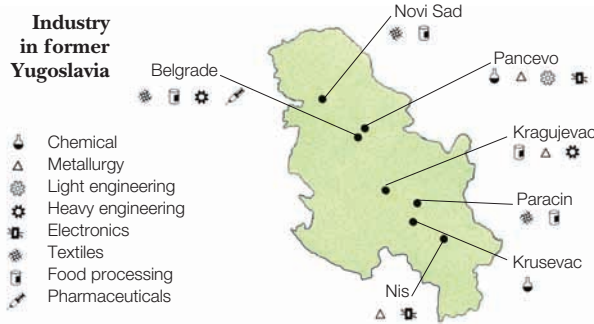
LANDSCAPE
Forests of deciduous and coniferous trees cloak the slopes of the mountains that dominate this area, as shown here in Montenegro. However, thin mountain soils are not well-suited to agriculture and only in the fertile plains surrounding the Danube, are crops grown in large quantities. A range of vegetables, such as cabbages, peppers, and beans, is grown there, while cattle graze on mountain pastures.



SERBIA	
Capital city:	Belgrade
Area:	29,913 sq miles (77,474 sq km)
Population:	10,000,000
Official language:	Serbian
Major religions:	Christian 92%, Muslim 3%, other 5%
Government:	Republic
Currency:	Dinar
Adult literacy rate:	98%
Life expectancy:	73 years
People per doctor:	476
MONTENEGRO	
Capital city:	Podgorica
Area:	5,415 sq miles (14,026 sq km)
Population:	678,000
Official language:	Montenegrin
Major religions:	Christian 78%, Muslim 18%, other 4%
Government:	Republic
Currency:	Euro
Adult literacy rate:	98%
BOSNIA AND HERZEGOVINA	
Capital city:	Sarajevo
Area:	19,741 sq miles (51,130 sq km)
Population:	4,200,000
Official language:	Bosnian, Serbian, Croatian
Major religions:	Christian 50%, Muslim 40%, other 10%
Government:	Multiparty democracy

SERBIA

SINCE THE BREAKUP OF THE FORMER YUGOSLAVIA in 1991, Serbia embarked on an extreme nationalistic course by supporting local Serbs in the Bosnian War of 1992–5 and in Kosovo in 1998–9, leading to international intervention to bring peace to the region. The country is now trying to repair the economic and structural damage caused by the conflicts, and was declared a republic in 2006.



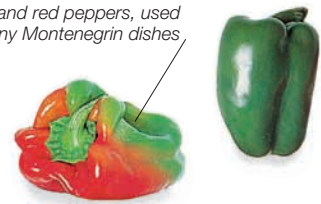
PEOPLE

There is a variety of languages spoken in the former united territory of Serbia and Montenegro. Serbs and Montenegrins speak a similar language and write in the Cyrillic script as used in Russian. The Hungarian and Albanian minorities use the Latin alphabet, as used in English, and speak separate, unrelated languages. Voting papers, being handed in here, are printed in all languages.

MONTENEGRO

WHEN THE FORMER YUGOSLAVIA broke up in 1991, Serbia and Montenegro emerged from the wreckage as a joint republic, dominated by Serbia. Montenegro finally became a separate nation in 2006, after its people voted to split from Serbia. Since then, it has become a member of the United Nations, and is seeking membership of the European Union.

Green and red peppers, used in many Montenegrin dishes



CUISINE

A wide variety of tasty dishes are eaten in Montenegro. The country's cuisine has an Italian twist, with meatballs, stuffed peppers, cheese, wine, and bread all featuring heavily on Montenegrin menus.

BOSNIA AND HERZEGOVINA

BOSNIA AND HERZEGOVINA declared independence in 1992. For centuries, the area contained a mixture of Muslim Bosnians, Catholic Croats, and Orthodox Serbs. After independence, civil war broke out and many thousands of people were killed on all sides. The war ended in 1995 and the country was split into two separate halves—a Serb republic and a Muslim-Croat federation.

ETHNIC CLEANSING
Serbs fighting in Bosnia undertook a policy of ethnic cleansing. This involved removing, or “cleansing”, Muslims and Croats from areas they inhabited alongside Serbs. Thousands of non-Serbs were murdered. Others were frightened into leaving their homes and seeking safety in more welcoming countries.



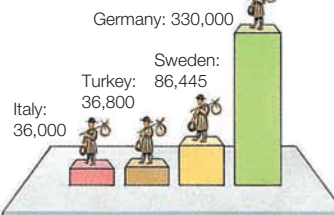
Muslim girls and women traditionally wear a headscarf to cover their hair.



CITY OF SARAJEVO

By 1990, the ancient town of Sarajevo had grown into a large, modern city. But war exposed the city to Serb gunfire from the surrounding hills, and many citizens were killed. Those that remained led a primitive existence, often with no food, heat, or proper housing.

Bosnian refugees in Europe



Find out more

BREAKUP OF YUGOSLAVIA:
81, 124
RELIGIONS: 274–275
DANUBE RIVER: 79



MACEDONIA

LANDLOCKED MACEDONIA has been controlled by its larger neighbors for many centuries. Historically linked to Greece, it has more recently been a part of Bulgaria and Yugoslavia. Since the country's independence, however, the greatest threat has come from ethnic tensions between Macedonian Slavs and ethnic Albanians. In this part of the Balkans, the warm climate allows the cultivation of early fruit crops and industrial crops such as rice, cotton, and tobacco. However, its location also means that fuel, machinery, and manufactured goods have to be imported.



Freshwater carp

MACEDONIA	
Capital city: Skopje	
Area: 9,781 sq miles (25,333 sq km)	
Population: 2,020,000	
Official language: Macedonian, Albanian	
Major religions: Christian 64%, Muslim 26%, other 10%	
Government: Democracy	
Currency: Denar	
Adult literacy rate: 94%	
Life expectancy: 73 years	
ALBANIA	
Capital city: Tirana	
Area: 11,100 sq miles (28,748 sq km)	
Population: 3,200,000	
Official language: Albanian	
Major religions: Muslim 70%, Christian 30%	
Government: Democracy	
Currency: Lek	
Adult literacy rate: 99%	

EARTHQUAKES

The capital city of Skopje is located where several geological fault lines meet, making it a likely place for earthquakes. In fact, earth tremors in Skopje are frequent, and the city has been destroyed four times in its history. In 1963 an earthquake registering 6.8 on the Richter scale destroyed much of the city. Fortunately, the Turkish area, parts of which date from 1392, survived the destruction.



LAKELAND AREAS

The mountainous area of southwestern Macedonia contains two of Europe's most beautiful freshwater lakes. When the country had more tourists, visitors flocked to Lake Ohrid, and to Lake Prespa, to enjoy the scenery and visit the ancient towns along the shores. Both lakes are teeming with fish, particularly carp, trout, and eels, which are used for local fish dishes. Colonies of pelicans and cormorants also feed on fish from Lake Prespa.



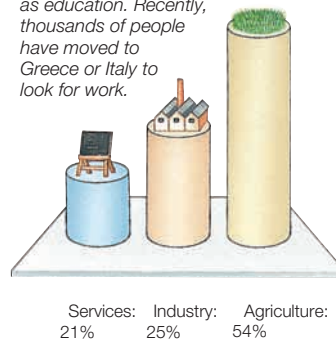
ALBANIA

ONE OF THE POOREST countries in Europe, Albania is mostly rugged mountains. For much of its history, the country was ruled by the Ottoman Turks, who withdrew in 1913 leaving no roads, railroads, or industries. In the last century, Albania was ruled by a fascist king and a communist dictator. Democracy has been hindered by corruption and economic hardships. Violence erupted in 1997 after the collapse of an insurance plan in which many Albanians had invested.



Employment

Jobs are scarce in Albania, and rates of pay are low. Over half of those with jobs work in agriculture, while the rest work in industry or services, such as education. Recently, thousands of people have moved to Greece or Italy to look for work.



COMMUNISM

From 1944-85, Albania was led by the communist leader Enver Hoxha. Under his rule, Albania was cut off from the rest of Europe. The borders with Yugoslavia and Greece were sealed, and no contact with Italy was permitted. All trade after 1960, through ports in Durres and Vlore, was with China. The communists developed heavy industry at the expense of agriculture, leaving the country poor and undeveloped. This mural at Tirana Museum represents the people's struggle.

FAMILY LIFE

The family is an important part of Albanian life and, until recently, men were encouraged by the state to father large families. From an early age, Albanians are taught the importance of the promised word, known as *besa*. To break one's word, in a business deal for example, is considered a disgrace.

Find out more

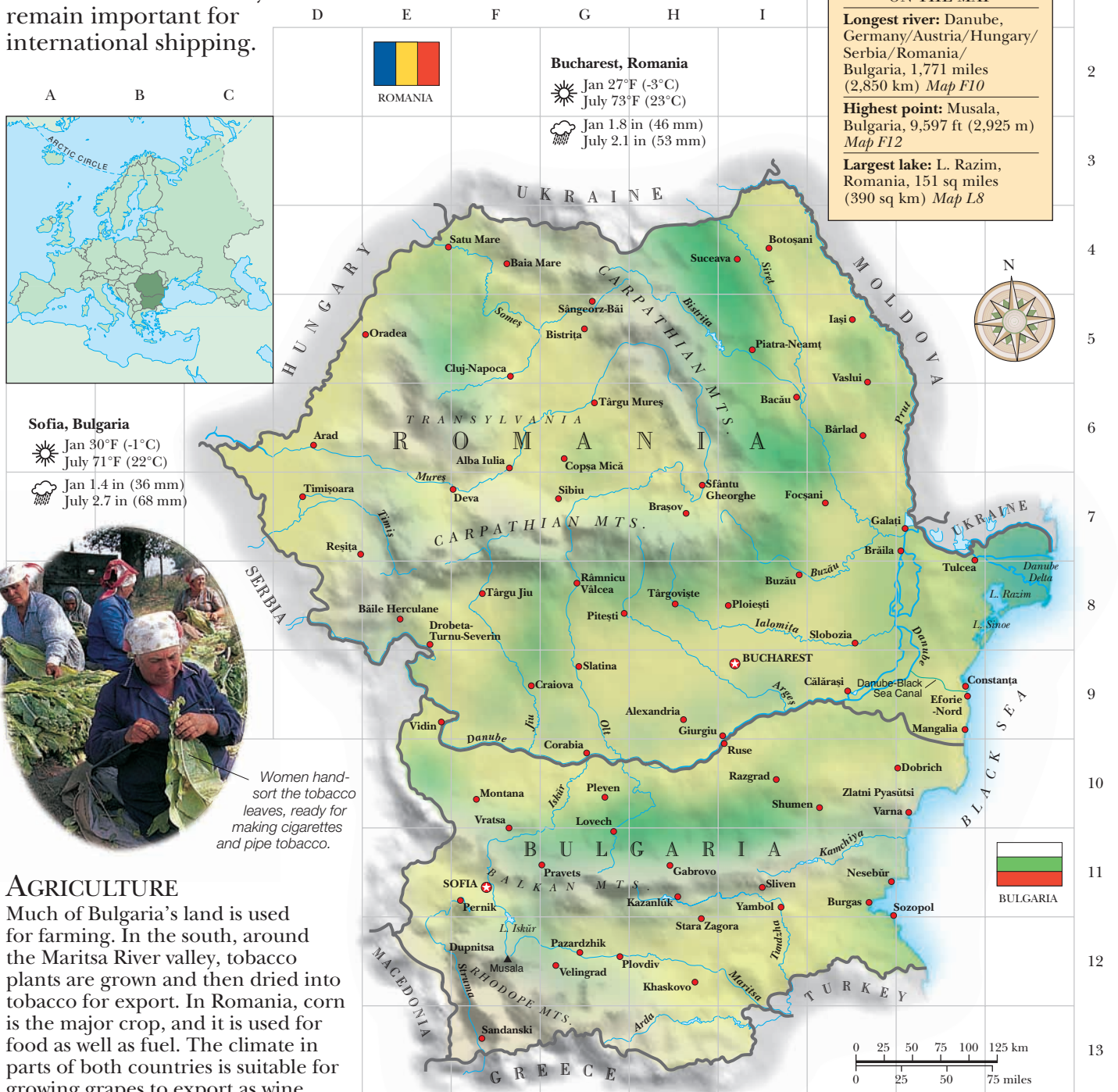
- EARTHQUAKES: 13
- HYDROELECTRIC POWER: 108
- MEDITERRANEAN CLIMATE: 15
- POLITICAL SYSTEMS: 270-271

ROMANIA AND BULGARIA

DIVIDED BY THE MIGHTY Danube River, which flows eastward along most of the shared border to the Black Sea, Romania and Bulgaria have much in common. The most fertile land is found in the valley of the Danube, while forests of oak, pine, and fir grow on the sides of the Carpathian and the Balkan mountains. For hundreds of years, Black Sea ports, around areas such as Constanta and Burgas, have provided access to trade routes and they remain important for international shipping.



TOURIST ATTRACTIONS
Picturesque landscapes and colorful folk traditions make Romania popular with tourists. The legend of Count Dracula, from the forested region of Transylvania, shown here, attracts tourists who come to visit his castle. Black Sea beaches as well as mountain ski resorts cater to both summer and winter visitors.





ROMANIA

ONCE THE FRONTIER OF THE ROMAN EMPIRE, Romania is one of the largest countries in Europe. The Carpathian Mountains form an arc across the country, curving around the region of Transylvania. Elsewhere the land is rich and fertile. Romania became independent from Turkey in 1878, but its borders have been redrawn several times as a result of war. A revolution in 1989 overthrew a harsh communist government and today Romania is struggling to improve the life of its people. Although Romanians can now travel and worship in freedom, there is high unemployment and food has become more expensive.

ROMANIA	
Capital city:	Bucharest
Area:	91,699 sq miles (237,500 sq km)
Population:	22,300,000
Official language:	Romanian
Major religions:	Christian 85%, other 15%
Government:	Multiparty democracy
Currency:	Leu
Adult literacy rate:	97%
Life expectancy:	70 years
People per doctor:	526
Televisions:	223 per 1,000 people



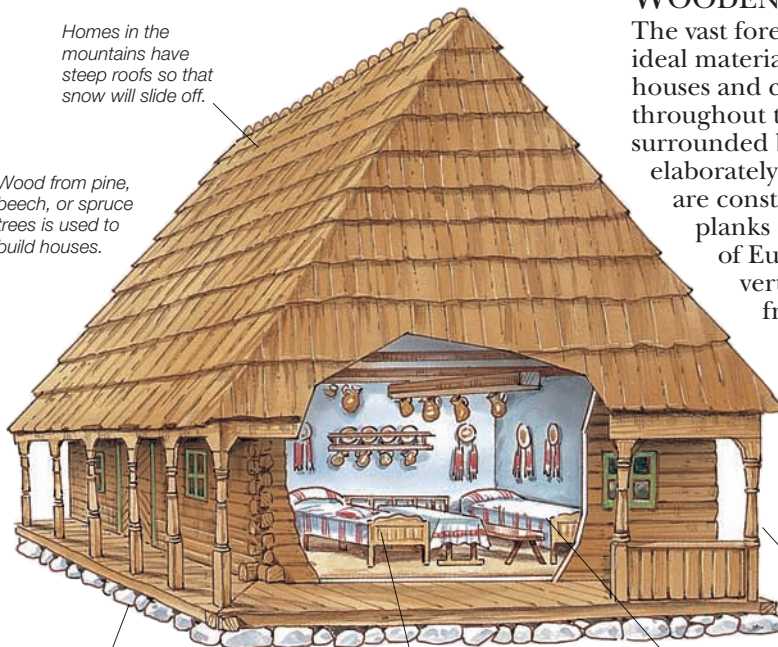
FOREIGN ORDERS
In order to modernize old industries and create new jobs, foreign companies are being encouraged to set up business in Romania. France, Spain, Italy, the US, and South Korea all now have manufacturing plants in or near Bucharest.



POLITICS
From 1965 until his overthrow and execution in 1989, communist leader Nicolae Ceausescu ruled Romania. During his brutal dictatorship, he tried to boost the population by encouraging women to have large families. Many people could not afford to keep their babies. The plight of Romanian orphans attracted international attention and many were adopted abroad.

WOODEN BUILDINGS

The vast forests of Romania provide an ideal material for building, and wooden houses and churches are found throughout the country. Many are surrounded by wooden fences and elaborately carved gateways. The walls are constructed using horizontal planks of wood, unlike in the rest of Europe, where they are placed vertically. House styles vary from one region to another. The steep-roofed home shown here is from a snowy area in the Carpathian Mountains; homes in wine-growing areas would have large cellars to store wine and fruit from the orchards.



Homes in the mountains have steep roofs so that snow will slide off.

Wood from pine, beech, or spruce trees is used to build houses.

Houses are built on foundations of local stone to prevent the wood from rotting.

Rooms are decorated with carved wooden furniture and brightly painted plates.

Columns may be hand-carved in a local design.

Bedspreads are embroidered with traditional designs.



PEOPLE OF ROMANIA

Romania is home to many peoples, with Hungarians and Germans sharing the land with native Romanians. Ukrainians and Turks settled areas near the Black Sea coast, now popular as vacation destinations. In the past, people lived and worked on the land, but with the growth of industry the majority now live in Bucharest, the capital, and other towns and cities.



ROMA POPULATIONS

Despite their name, the 500,000 Roma who live in Romania belong to a different ethnic group from the rest of the population. Although they used to live as nomads, they are now mostly settled on the outskirts of towns.

Find out more

CITIES: 80
COUNTRIES OF EASTERN EUROPE: 81
POLITICAL SYSTEMS: 270-271



BULGARIA
Capital city: Sofia
Area: 42,822 sq miles (110,910 sq km)
Population: 7,900,000
Official language: Bulgarian
Major religions: Christian 85%, Muslim 13%, Jewish 1%, other 1%
Government: Multiparty democracy
Currency: Lev
Adult literacy rate: 99%
Life expectancy: 72 years
People per doctor: 294
Televisions: 398 per 1,000 people

BULGARIA

FOR MUCH OF ITS HISTORY, the area that is now Bulgaria has lived in the shadow of stronger neighbors. The Greeks, Romans, and Turks have all ruled here, and from 1944–89 Bulgaria was part of the Soviet communist bloc. Most of the population is made up of Bulgars, with sizeable minorities of Macedonians and Turks. Since the move to democracy, state-run farms have been reorganized, and western tourists are being encouraged to visit the old towns as well as lakes and resorts on the Black Sea.



Women wear traditional costumes during the Festival of the Roses.



Damask rose



Roses are picked before fully open to avoid exposure to the sun.

ROSE GROWING

Situated in the foothills of the Balkan Mountains, near the town of Kazanluk, lies the Valley of the Roses. Fields of roses are grown here for their essential oil, called attar, which is used to make perfume. At dawn each day in May and June, before the sun has time to dry out their oil, blossoms of the damask rose are picked and the petals packed into sacks. These are taken by donkey cart to a distillery, where they are made into attar. Every June there is a festival to celebrate the rose harvest.

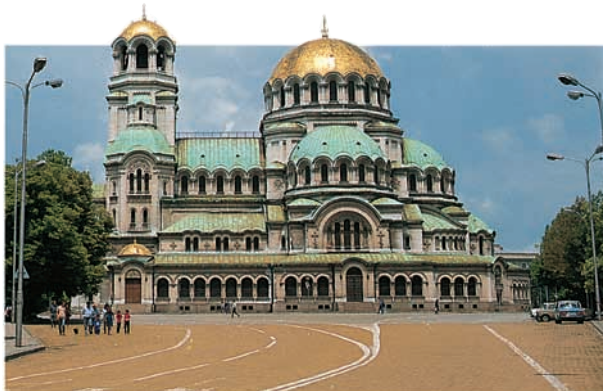


FESTIVAL MASKS

Folk customs play an important part in keeping Bulgarian traditions alive. Many towns have their own festival, featuring music and parades. People often make and paint their own masks, and decorate them with bead and ribbons.

ECONOMY

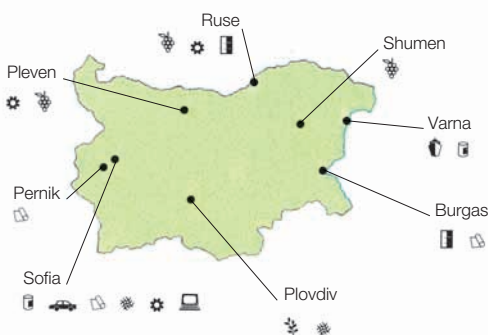
Bulgaria lacks the high-grade coal and iron necessary to support heavy industry. In the past, its factories relied on cheap supplies of coal and oil from the former USSR. Now they have to buy these on the open market. Bulgaria has been forced to arrange large loans from the West to finance development of new industries, such as computer technology. Textile mills and food processing are important.



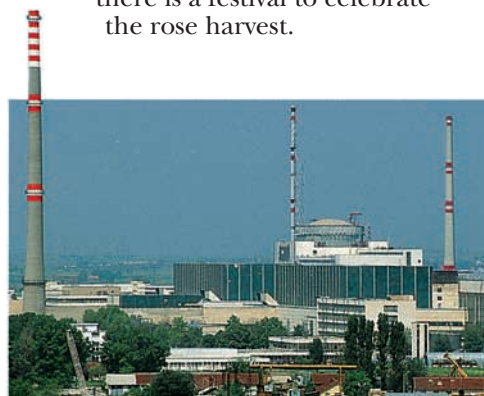
CITY OF SOFIA

The capital city of Sofia is home to more than a million people. Set in an area of mountains and lowland dairy farming, the city is a thriving industrial center. It is also a showcase for many fine Roman buildings, as well as the Alexander Nevsky Cathedral, shown here, which was built to honor Russian soldiers who liberated Sofia from Turkish rule in 1878. Bulgaria has a good transportation system. Many people in Sofia travel by trolleys that get their power from overhead electric cables.

Bulgarian industries



- Vehicle assembly
- Engineering
- Tobacco
- Oil refining
- Wine
- Steel
- Textiles
- Shipbuilding
- Food processing
- Computers



NUCLEAR POWER

Bulgaria does not have enough coal or power from its hydroelectric plants to provide itself with energy. Forty percent of its electricity now comes from the Kozloduy nuclear power plant. Because the plant was built by the Soviet Union, and lies in an earthquake zone, there has been great concern about its safety. Since 1990, the European Union has helped make the plant safer.

Find out more

BREAKUP OF USSR: 136
COUNTRIES OF
EASTERN EUROPE: 80
POLITICAL SYSTEMS: 270–271



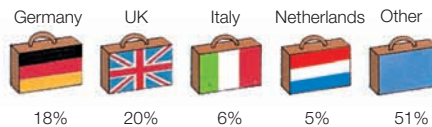
GREECE

GREECE HAS A RICH HISTORY stretching back thousands of years. Yet the modern nation state only won its independence from the Turks in 1829, and it took control of some islands as recently as 1947. With its mountainous terrain, more than 2,000 scattered islands, and lack of natural resources, Greece was one of the poorest members of the European Union. However, its large shipping fleet and earnings from tourism have helped the economy: Greece adopted the Euro in 2002 and hosted the Olympic Games in Athens in 2004.

GREECE	
Capital city:	Athens
Area:	50,942 sq miles (131,940 sq km)
Population:	11,000,000
Official language:	Greek
Major religions:	Christian 98%, Muslim 1%, other 1%
Government:	Multiparty democracy
Currency:	Euro
Adult literacy rate:	97%
Life expectancy:	78 years
People per doctor:	227
Televisions:	477 per 1,000 people

Main tourist nationalities

The majority of tourists visiting Greece are European, although large numbers of people also travel to Greece from North America and Australasia.



TOURISM

More than 14 million tourists a year come to Greece to enjoy the beautiful island scenery, the historic monuments, and the summer sun. Hotels, shops, and restaurants employ thousands of people to cater to the visitors, whose spending boosts the national economy enormously. The Greek government encourages tourism by giving grants for hotel building and the many Aegean islands are linked together by a comprehensive network of ferries. However, some islands are being developed too rapidly and suffer from problems such as water shortages.



Vacationers enjoying the beach on the island of Samos

Olives can be eaten when green or black, but must ripen to black when used for oil.



SHIPPING

The cheapest and easiest way to travel around Greece is still by boat. Fleets of merchant ships connect the many islands with the mainland, moving supplies and industrial products, while ferries carry vehicles, local people, and tourists. Ship owners have built up huge fleets of ships, with the result that Greece now has the largest merchant fleet in the world.

Icons being blessed at an Easter ceremony



GREEK ORTHODOX CHURCH

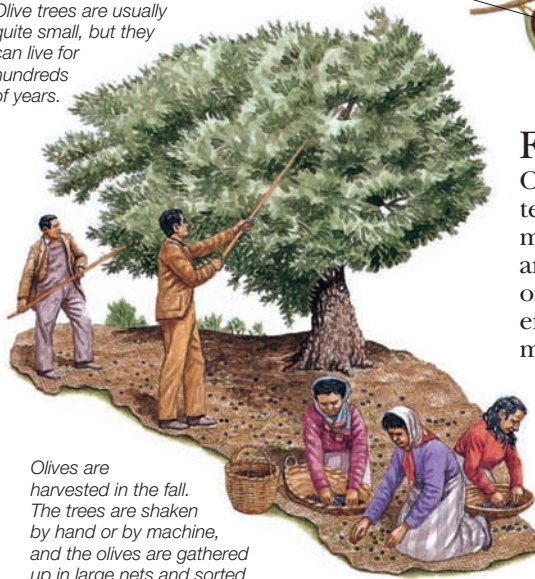
The state religion of Greece is Greek Orthodox, making it the only officially Orthodox Christian country in the world. Almost every Greek is a member of the church. Priests play an important part in national events and are recognized as leaders of their local communities. The churches are not allowed statues, but many contain holy pictures of saints known as icons.

Olives are treated, pickled, and fermented before being eaten whole.

To make olive oil, the olives are ground to a thick paste before being pressed.



Olive trees are usually quite small, but they can live for hundreds of years.



Olives are harvested in the fall. The trees are shaken by hand or by machine, and the olives are gathered up in large nets and sorted.

FARMING

Only a third of the mountainous terrain of Greece can be farmed, and much of the soil is poor. Many people are needed to work this land – nearly one-fifth of the Greek workforce is employed in agriculture, which is more than anywhere else in the European Union. The most important crop is olives, grown on hillsides across the country. Greece is the third biggest producer of olive oil after Italy and Spain, as well as a major producer of grapes and wine, citrus and other fruits, figs, cotton, tomatoes, and tobacco.



ATHENS

The ancient capital of Greece is dominated by the Acropolis and the dramatic ruins of the Parthenon temple. Much of the city, however, consists of modern buildings, for many people have left the countryside to seek employment in the city. As a result, Athens is one of Europe's most polluted cities; cars are banned from entering the city on certain days of the week in order to reduce the smog level.



THINGS TO LOOK FOR ON THE MAP

Longest river:
Aliákmonas, 195 miles (314 km) *Map D3*

Highest point:
Mt. Olympus, 9,570 ft (2,917 m) *Map D4*

Largest lake: L. Prespa, Greece/Albania/Macedonia, 112 sq miles (290 sq km) *Map C2*

World's narrowest navigable strait:
between Évvoia and the mainland, 131 ft (40 m) wide *Map F7*



GREECE

Thessaloniki, Greece
 ☀ Jan 42°F (5.5°C)
 ☀ July 80°F (26.5°C)
 ☔ Jan 1.7 in (44 mm)
 ☔ July 0.9 in (22 mm)

Athens, Greece
 ☀ Jan 49.5°F (9.5°C)
 ☀ July 82.5°F (28°C)
 ☔ Jan 2.4 in (62 mm)
 ☔ July 0.2 in (6 mm)

ANCIENT GREEK HISTORY
 The remains of temples and other buildings from Greece's long and complex history can still be seen today. From about 2000 BC, advanced civilizations existed on Crete and on the mainland at Mycenae. By the 5th century BC, powerful city states emerged, including Athens and Sparta. Philosophers, mathematicians, architects, and dramatists contributed to a rich culture that spread around the Mediterranean.



Signs of Greece's rich classical past are revealed in its many ancient ruins, such as this temple of Apollo at Delphi.

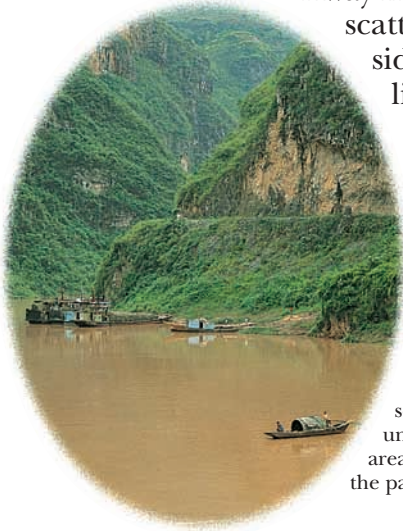
Find out more

EUROPEAN UNION: 81, 273
 MEDITERRANEAN LANDSCAPE: 79
 ORTHODOX CHURCH: 274
 WINE MAKING: 99

ASIA

STRETCHING FROM THE frozen Arctic to the hot Equator, Asia is by far the world's largest and most mountainous continent. Much of the land is barren, with vast, empty deserts in southwest and central Asia, and the remote, windswept plateau of Tibet to the north of the Himalayan mountains. Asia also has some of the world's most fertile plains and valleys beside rivers that include the Mekong, Indus, and Euphrates. In Southeast Asia, the land is mainly mountainous or covered in tropical rain forests that are teeming with wildlife.

Away from the mainland, scattered on either side of the Equator, lie thousands of islands, many of them volcanic.

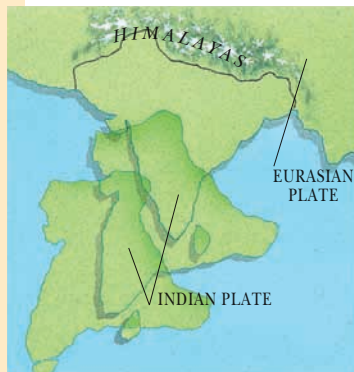


THE YANGTZE RIVER
From its source in the Tanggula Mountains on the plateau of Tibet, the Yangtze River flows through mountainous land for most of its course. On its final stages, it follows the southern edge of the Great Plain of China until it reaches the East China Sea. In the flatter areas, the Yangtze supplies water for irrigation. In the past, flooding has caused thousands of deaths.

CENTRAL DESERTS
Unlike most deserts, the Takla Makan and Gobi in central Asia have hot summers, but extremely cold winters. Much of their landscape is made up of bare rock, with huge expanses of shifting sand. Vegetation is sparse, except in river valleys, as shown here in the Takla Makan. Some animals, including wild camels, can survive cold winters in the Gobi.



A Bactrian camel has two humps.



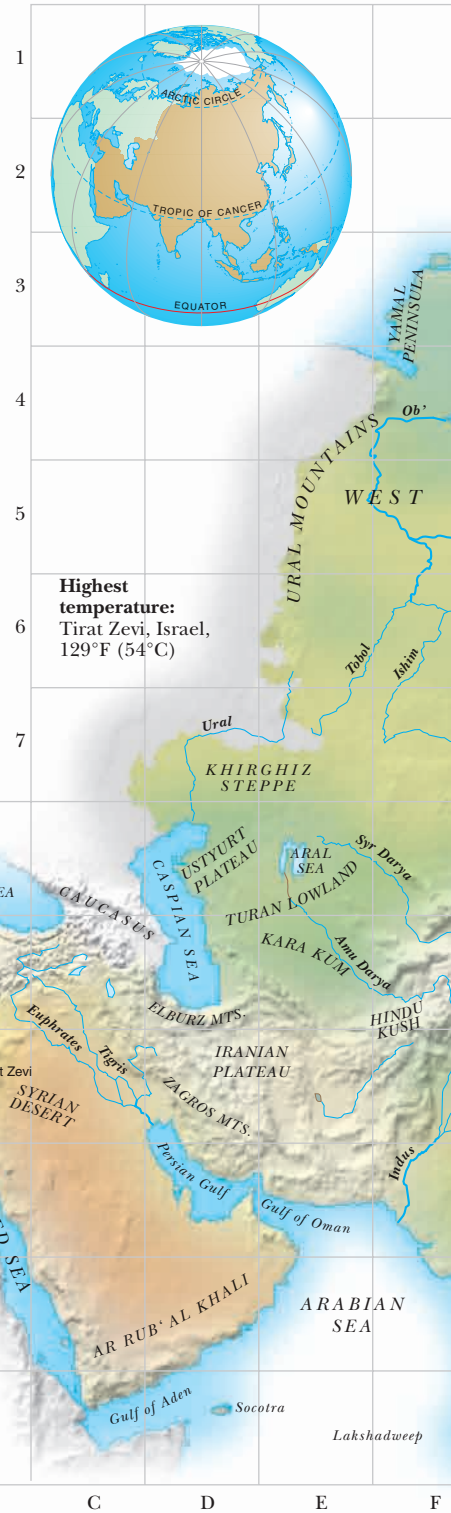
THE HIMALAYAS

The Himalayas, right, form a massive land barrier between the Indian Subcontinent and Tibet. The range is permanently snow-capped and contains the world's highest peak, Mount Everest. The mountains began to form about 50 million years ago when a moving plate, carrying the Subcontinent, began to push against the Eurasian plate. When the plates collided, the edge of the Indian plate was forced under the Eurasian plate, and the seabed in between was folded up to form the Himalayas.

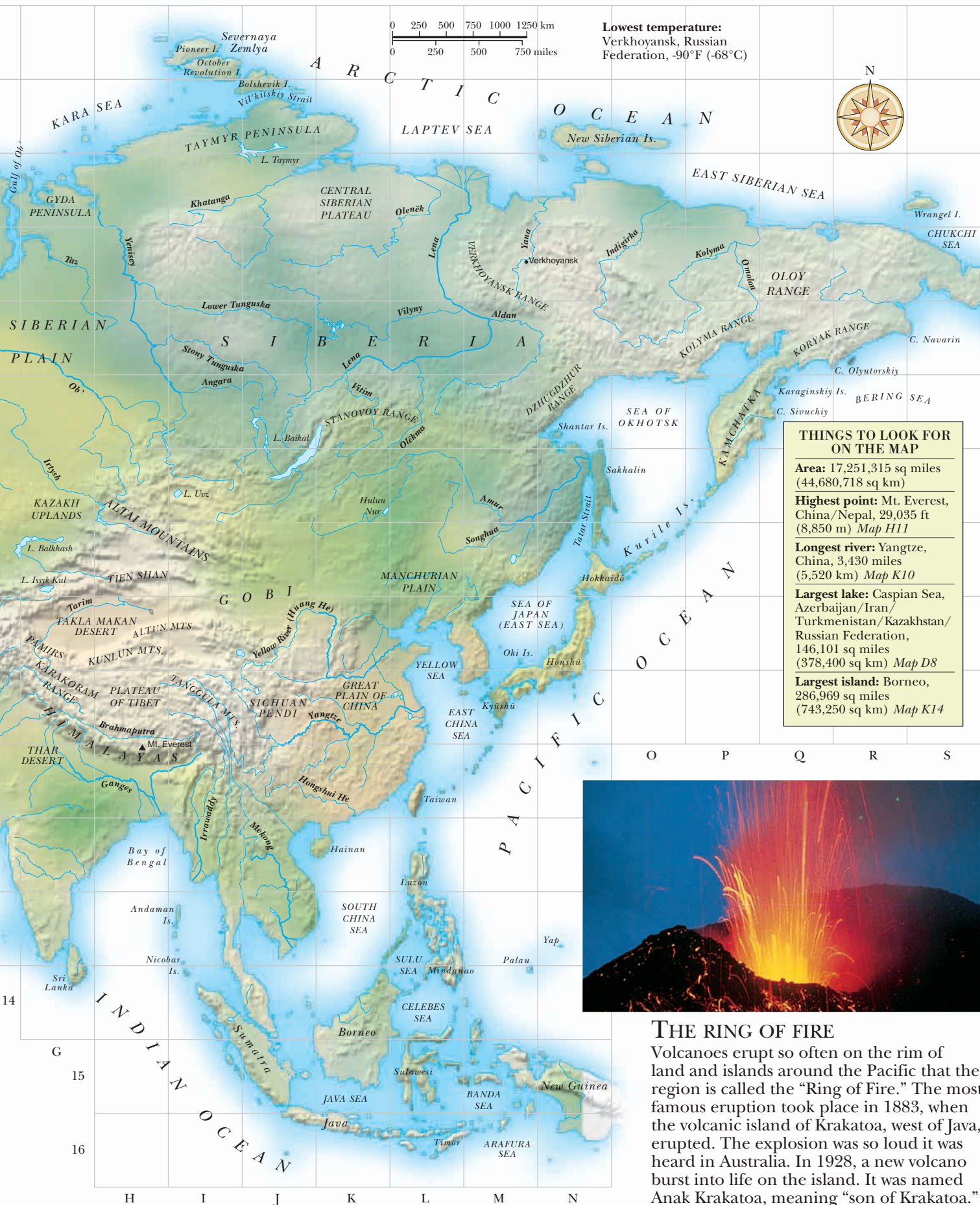


SIBERIA

Most of Siberia, the Asian part of Russia, is bitterly cold in winter. In the north lies the tundra, where part of the soil has been frozen since the end of the last Ice Age. Beneath its surface there are vast supplies of minerals. To the south lies the world's largest coniferous forest. This cold forest makes way for a dry grassland area, known as steppe, which forms Russia's main farming region.



Highest temperature:
Tiran Zevi, Israel,
129°F (54°C)



Lowest temperature:
Verkhoyansk, Russian Federation, -90°F (-68°C)

THINGS TO LOOK FOR ON THE MAP

- Area:** 17,251,315 sq miles (44,680,718 sq km)
- Highest point:** Mt. Everest, China/Nepal, 29,035 ft (8,850 m) *Map H11*
- Longest river:** Yangtze, China, 3,430 miles (5,520 km) *Map K10*
- Largest lake:** Caspian Sea, Azerbaijan/Iran/Turkmenistan/Kazakhstan/Russian Federation, 146,101 sq miles (378,400 sq km) *Map D8*
- Largest island:** Borneo, 286,969 sq miles (743,250 sq km) *Map K14*



THE RING OF FIRE

Volcanoes erupt so often on the rim of land and islands around the Pacific that the region is called the “Ring of Fire.” The most famous eruption took place in 1883, when the volcanic island of Krakatoa, west of Java, erupted. The explosion was so loud it was heard in Australia. In 1928, a new volcano burst into life on the island. It was named Anak Krakatoa, meaning “son of Krakatoa.”

PEOPLES OF ASIA I

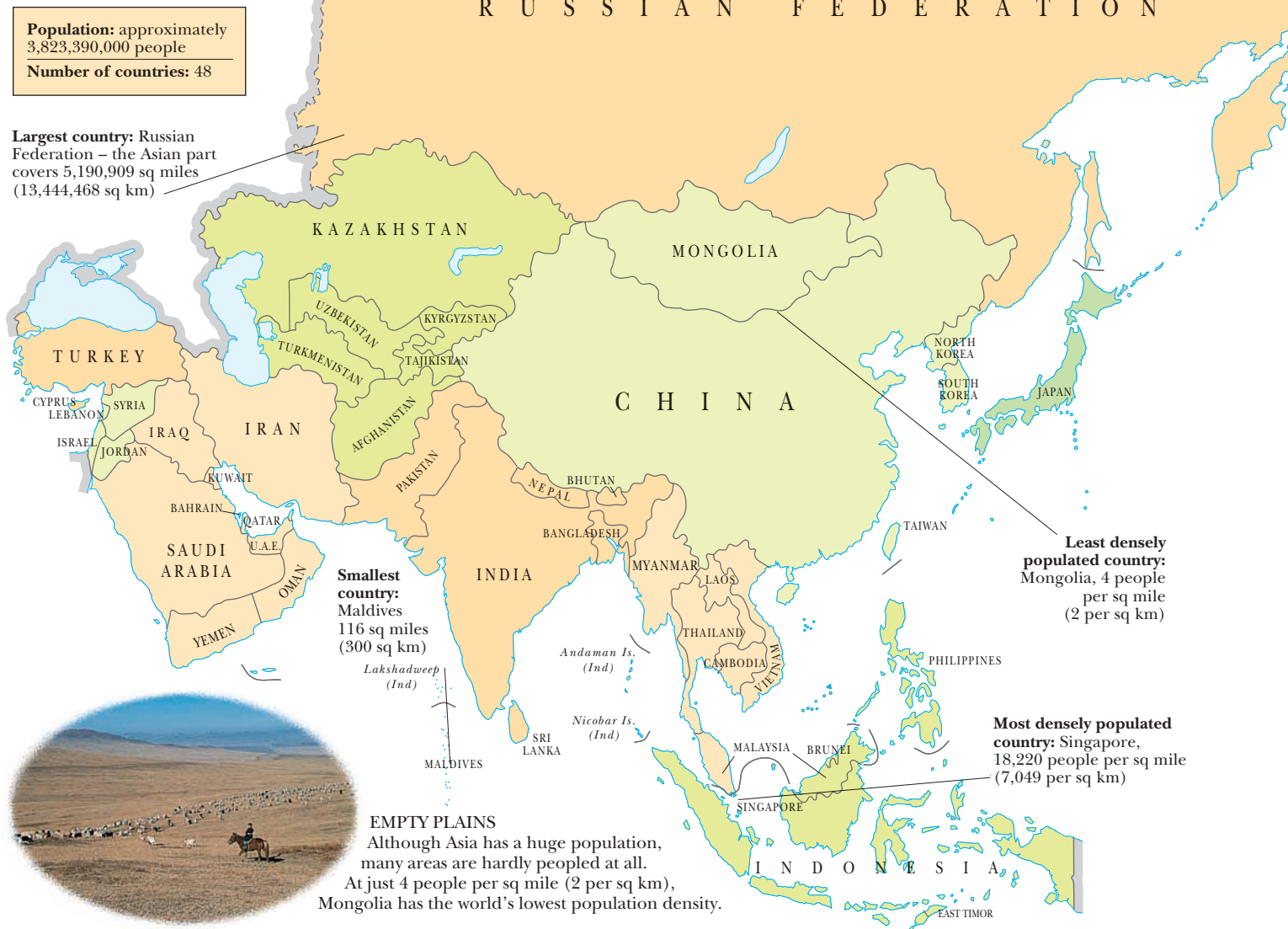


Stone reliefs in Persepolis, capital of the ancient Persian Empire

EARLY CIVILIZATIONS

The world's earliest civilizations grew up around river valleys in Asia in an area known as the fertile crescent, which stretches in an arc from the Persian Gulf to the Mediterranean Sea. Many cities here can trace their history back for several thousand years.

OF ALL THE CONTINENTS, Asia has the largest population with the greatest variety of cultures. The history of civilization here stretches back for many thousands of years. Cities and writing, the development of which are closely connected, first appeared in Asia. More than 5,000 years ago the earliest cities, such as Babylon, emerged in the valley of the Tigris and Euphrates rivers, an area known as Mesopotamia (modern-day Iraq). Today, Asia contains over 60 percent of the world's population, much of which is concentrated in the southern and eastern regions of the continent. Although most of the people are farmers, city populations are growing very rapidly.





GROWING CITIES

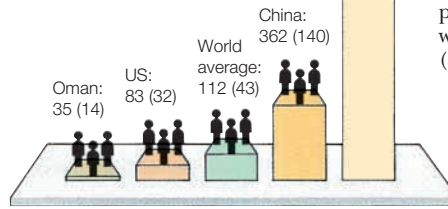
A large proportion of Asia's population still lives in the countryside as farmers, but the number living in cities is rising steeply. The largest cities in Asia now have populations of more than 10 million. These megacities, along with many other cities in the continent, are destined to grow even faster as people move from the countryside to towns.

This crowded street scene is in India's capital, New Delhi. India is one of the world's most densely populated countries.

LARGEST CITIES IN ASIA	
Tokyo, Japan	34,200,000
Seoul, South Korea	22,300,000
Mumbai, India	19,470,000
Jakarta, Indonesia	17,590,000
Osaka, Japan	17,510,000

Population density

The figures on the chart show the number of people per sq mile (per sq km). Countries outside Asia are included as a comparison.



POPULATION DENSITY
Large areas of the Middle East and central Asia are empty wilderness, unsettled by people because of their extreme dryness or cold temperatures. Most of the population is concentrated in the fertile river valleys and coastal lowlands of south and east Asia. Aside from the island city-state of Singapore, Bangladesh is the most densely populated country in Asia with 2,837 people per sq mile (1,096 per sq km).



A Bedouin man in Jordan may have more than one wife and many children.

POPULATION GROWTH

Three out of every five people in the world live in Asia. Seven of the world's 10 most populated countries are located here, with China and India heading the list. Between them these two countries account for about 40 percent of the world's population. In mainland China a strictly enforced government policy to restrict family size to just one child has slowed the rate of population growth, but elsewhere in the continent it is still very high. In 2000, India's population rose to over 1 billion and Indonesia's passed over 210 million.



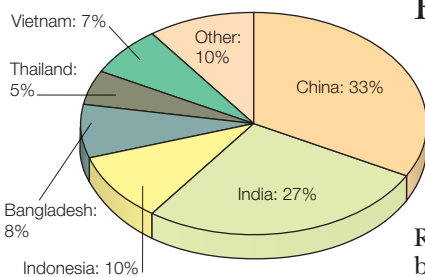
In China, a family with just one child receives free education and a housing allowance.



RIVER VALLEYS

The first peoples settled in fertile river valleys where they could grow crops. They built irrigation systems to channel water from rivers to the crops. Today, rivers are still important to the people of southern and eastern Asia. In addition to irrigation, rivers are used for fishing and for drinking, and are dammed to produce hydroelectric power. Rivers often provide a country's main means of transportation, and some are the focus around which countries have developed.

World's top rice-growing countries (2003)



RICE

Half the world's population depends on rice as a principal source of food, so a rice shortage can cause terrible famine. This plant, native to Southeast Asia, has been cultivated in the region for at least 7,000 years. In recent decades, new varieties of rice have been developed to help feed Asia's growing population. These new strains of rice are part of the "Green Revolution," which applies scientific knowledge to plant breeding and uses technology to increase productivity.

PEOPLES OF ASIA II

ALTHOUGH SOME ASIAN COUNTRIES, such as Japan and China, have been independent for a long time, others have only recently emerged from colonization. At the start of the 20th century, much of the Middle East, the whole Indian Subcontinent, and large areas of Southeast Asia were controlled by European powers. Nationalist movements grew up across Asia and the countries regained their independence. Many countries here have had very fast economic growth. Together with the recent pressures for change, this means that societies across the region are now evolving rapidly.



INDEPENDENCE

Each year, many countries in the region celebrate their freedom from colonial rule in independence day celebrations, like those in Pakistan shown above. Some countries, like India, gained their independence through largely peaceful protest, while fierce fighting occurred in others, such as Indonesia. These countries are now struggling to forge a sense of national unity.



The former USSR

This map shows the former USSR and the 15 republics that it divided up into.



BREAKUP

The Soviet Union, or USSR, was the world's largest nation. However, in 1991, the USSR split up into 15 republics, which set up their own governments. Nine of the republics are in Europe and the other five are in Asia, while Russia straddles both. They are no longer part of a large, centralized economy, and so are struggling to compete in a world market. The USSR's collapse also freed some eastern European countries from Soviet control.

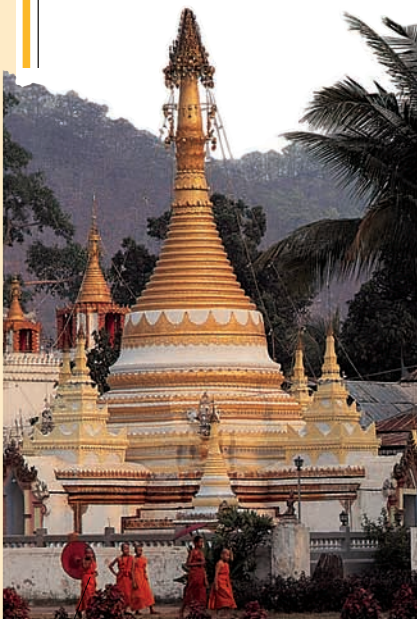


Chechnya's capital Grozny was heavily bombed by the Russian Federation in 1994-95 and again in 1999-2000.

WORLD RELIGIONS

Asia was the birthplace of all the main world religions, including Hinduism, Buddhism, Judaism, Christianity, and Islam. Religious beliefs still have a strong influence on the people of the region today. Religions often emphasize modesty in wealth and the importance of donating to charity for spiritual reward rather than any personal gain.

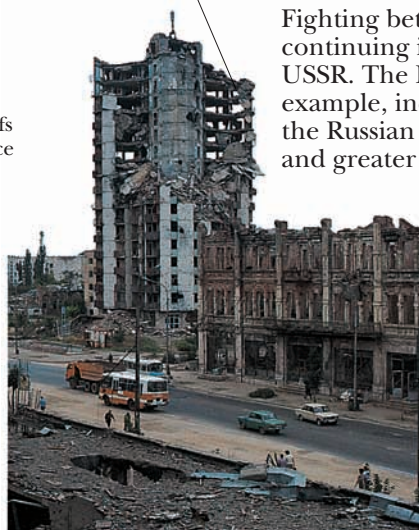
This temple is in Thailand, where Buddhism is the main religion.



Most young men in Thailand live in a monastery as monks for a few months.

ETHNIC GROUPS

Fighting between ethnic groups is still continuing in several parts of the former USSR. The Russian Federation, for example, includes some regions where the Russian population is in the minority and greater numbers of people belong to native ethnic groups. In Chechnya, only about a third of the population is Russian. Since the breakup of the USSR, the Chechens have been fighting for independence. However, the Russian Federation is not prepared to grant independence to any of these territories. It could lead to the breakup of Russia itself.



PRESSURES FOR CHANGE

In Asian societies today, the traditional rural ways of life and religious beliefs conflict with an increasingly money-oriented way of life, influenced by the West. As Asian societies become more open to western influences, so the pressures on traditional ways of life will intensify. Societies react to pressures for change in different ways. In Afghanistan, for example, religious leaders violently opposed western ideas, leading to the setting up of a hardline republic based on a strict interpretation of Islamic law.



In Afghanistan, the hardline Islamic Taliban government banned videos and ordered them all to be destroyed.



OIL AND THE MIDDLE EAST

Before oil was discovered, many desert countries in the Middle East were very poor. Oil has transformed their fortunes. More than two-thirds of the world's known reserves of crude oil and a third of all the natural gas occur here. Countries have become wealthy through the export of oil and natural gas throughout the world. New cities have sprung up, such as Dubai (shown above), and foreign workers have arrived in great numbers.

The influence of the US and capitalism can be seen on the streets of Tokyo, in Japan.



WESTERN INFLUENCE

In some societies, change happens gradually and without violent demonstrations. In Japan, for example, economic development was seen by its rulers as a way of avoiding becoming dependent on European nations. Japan has therefore accepted Western capitalism while still managing to preserve many traditional Japanese values. Even China, so long closed to Western ideas, is now enthusiastically embracing capitalism.

Kazakh people in northern China outside a tent known as a yurt



NOMADIC EXISTENCE

The collapse of the USSR has led to a revival of traditional ways of life among the nomads of central Asia. Goods that were made in factories, such as felt, which is used to line the inside of nomads' tents, ceased to be available and now have to be made by hand using traditional methods. The same is true when it comes to moving. In recent years, many nomads have moved their belongings around in vehicles, but gasoline is now in very short supply, so nomads have returned to using camels and horses.

Shaded areas on the map show Southeast Asia's newly industrializing countries.



LITTLE TIGERS

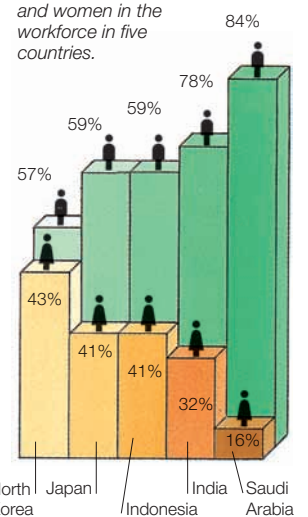
Following in the footsteps of Japan, a number of Southeast Asian countries looked to make the most of their cheap and plentiful supply of workers to rapidly boost their economies. These "Little Tigers" achieved great success in the final decades of the 20th century. However, they are now having to deal with the side effects of rapid industrialization – pollution, unemployment, poverty in rural areas, and new cheaper competition that has begun to emerge elsewhere.

ROLE OF WOMEN

Women's lives differ hugely over such a large continent, influenced by each nation's culture, religion, and politics. In some areas, such as in India and the Islamic countries of the Middle East, the vast majority of the workforce is male. Yet Islamic women in Southeast Asian countries such as Indonesia often work outside the home. In other areas, such as communist China and North Korea, and the former communist republics of the USSR, women make up a large proportion of the workforce and carry out most household chores.

Women in the workforce

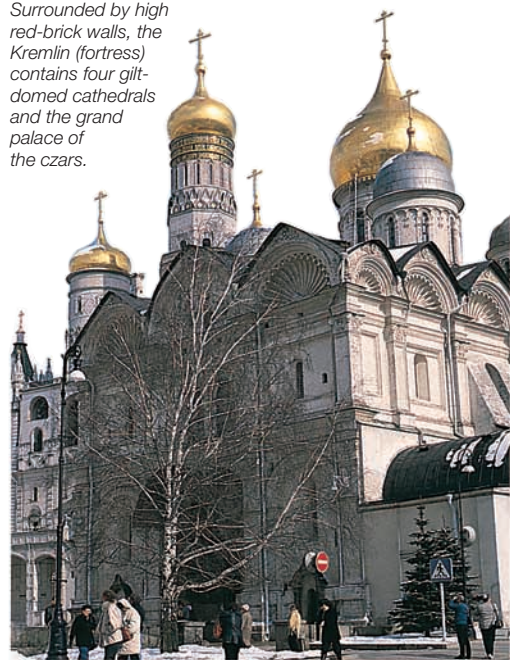
This chart shows the percentage of men and women in the workforce in five countries.



RUSSIAN FEDERATION

STRETCHING ACROSS two continents – Europe and Asia – and extending halfway around the globe, the Russian Federation is by far the largest country in the world. Because of the bitterly cold climate and harsh living conditions, this vast land is sparsely populated. However, Russia has areas of fertile land, rich mineral deposits, and abundant natural resources. The country was once the head of a powerful communist state, the Union of Soviet Socialist Republics (USSR). During the collapse of communism in 1991, many parts of the old Soviet Union declared independence. The government of the newly formed Russian Federation is now struggling to establish a Western-style democracy and economy.

Surrounded by high red-brick walls, the Kremlin (fortress) contains four gilded cathedrals and the grand palace of the czars.



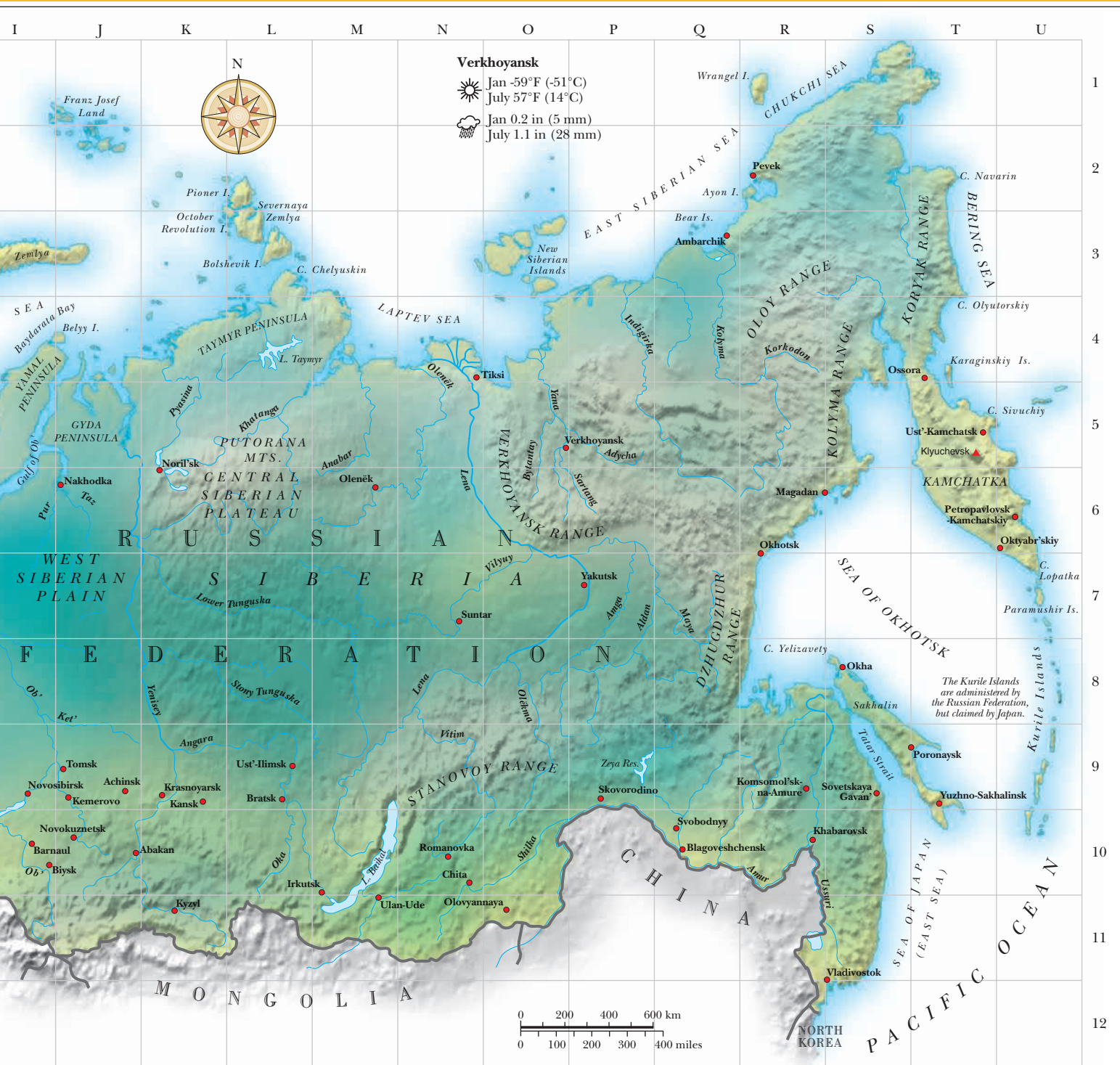
POLITICAL CHANGE

The Moscow Kremlin reflects the changing political face of Russia. Once the home of the czars (emperors), who ruled Russia for many centuries, it later became the headquarters of the world's first communist government in 1917. The government created the USSR, which became an industrial and military superpower, but at great cost to its people. The communist state collapsed in 1991, and the Kremlin is now the symbolic home of the new rulers of the Russian Federation.



VOLGA RIVER

The mighty Volga River rises northwest of Moscow and flows 2,193 miles (3,530 km) southward to the Caspian Sea. The Volga is the most important inland waterway in Russia. Hundreds of ships use it every day to transport goods to vast industrial sites that lie alongside the river. Huge dams have created a string of reservoirs providing water and electricity for the people who live on or near its banks.



SIBERIA

To the east of the Ural Mountains lies Siberia, a vast tract of largely uninhabited land that stretches across to the Pacific Ocean. Most of Siberia is covered with coniferous forest known as taiga, and which contains about a quarter of the world's wood reserves. In the north, the forest thins out as the climate gets colder and the land becomes a barren waste called tundra where the ground remains frozen throughout the year.



Arctic ground squirrel

SIBERIAN WILDLIFE
 The forests of Siberia provide a vital source of food for animals, such as reindeer, bears, and squirrels, especially during the long winter months. The region is also home to the largest tiger in the world, the Siberian tiger, which has thick fur to withstand the bitter winters.

RUSSIAN FEDERATION



RUSSIAN FEDERATION	
Capital city:	Moscow
Area:	6,592,735 sq miles (17,075,200 sq km)
Population:	143,000,000
Official language:	Russian
Major religions:	Russian Orthodox 75%, Muslim 10%, other 15%
Government:	Multiparty democracy
Currency:	Rouble
Adult literacy rate:	99%
Life expectancy:	66 years
People per doctor:	238
Televisions:	420 per 1,000 people

THE URAL MOUNTAINS form the boundary between European and Asian Russia. European Russia lies to the west of the mountains. This vast stretch of land is home to more than 100 million people, two-thirds of the entire Russian population. Most people live in the big cities of Moscow – the capital of the country – and St. Petersburg, or along the Volga River valley. The land is rich in minerals. It is also intensively farmed, with wheat and other grains in the north giving way to tobacco, citrus fruit, and a variety of crops in the warmer south.



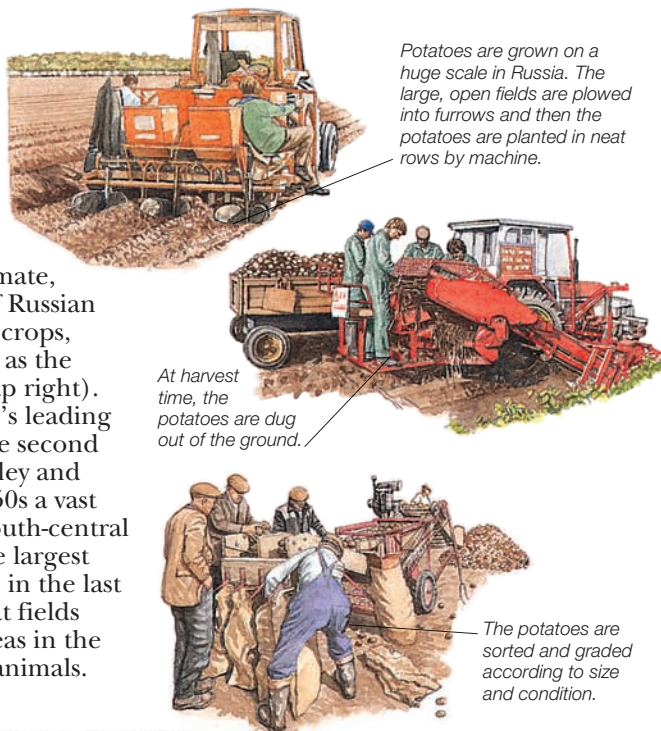
ST. PETERSBURG

With its network of canals and rivers, the elegant city of St. Petersburg is known as the “Venice of the North.” It is a center for arts and culture and has many fine 18th-century buildings. It was the capital of Russia between 1713–1917. Under communist rule the city was renamed Leningrad to honor Lenin, the leader of the 1917 Russian revolution. With the collapse of communism in 1991, it reverted to its old name.

The fertile triangle



Most of Russia's crops are grown in “the fertile triangle,” which stretches from St. Petersburg and Ukraine in the west to southern Siberia in the east.



Potatoes are grown on a huge scale in Russia. The large, open fields are plowed into furrows and then the potatoes are planted in neat rows by machine.

At harvest time, the potatoes are dug out of the ground.

The potatoes are sorted and graded according to size and condition.

AGRICULTURE

Because of the harsh climate, only about 10 percent of Russian land is used for growing crops, mostly in an area known as the “fertile triangle” (see map right). The country is the world's leading producer of oats, and the second greatest producer of barley and potatoes. During the 1950s a vast area of barren land in south-central Russia was cultivated, the largest expansion of agriculture in the last 100 years. The new wheat fields freed up more fertile areas in the west to grow fodder for animals.



RUSSIAN BALLET

Ballet arrived in Russia from France in the 19th century thanks to close cultural and diplomatic ties between Paris and St. Petersburg, the old Russian capital. By the early 20th century, Russia had transformed traditional ballet, making it more creative and exciting. Today, the Bolshoi Ballet of Moscow and the Kirov Ballet of St. Petersburg are known throughout the world.

RELIGIOUS REVIVAL

The Russian Orthodox Church was suppressed for many years by the former Soviet government, but became legal once more with the ending of communism. Today churches and monasteries are reopening across the country, and many people regularly attend religious services. As Russian society continues to change rapidly, the unchanging traditions of the Orthodox Church are a great comfort to many people.

The head of the Russian Orthodox Church is known as the Patriarch of Moscow and All Russia.



FOOD AND DRINK

The basic Russian diet, grain, potatoes, oil, and sugar, tends to be fattening. Fresh fruit, vegetables, and meat are regarded as luxuries. In the last few years, however, increased food production and a better system of supply has led to a wider range of foods on sale in the big cities.



Vodka, a strong alcohol made from grain or potatoes, is the national drink. Alcoholism is a problem throughout Russia.



Sour cream / Borscht, a soup made from beetroot



Black bread made from hard wheat



THE TATARS

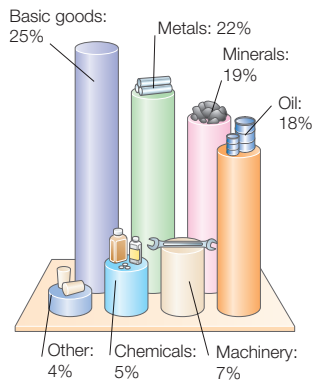
The ancient town of Kazan, on the Volga, is the capital of Tatarstan, home to around two million Tatars. These Islamic peoples are descendants of the Mongols, who overran Russia in the 13th century. Under the Soviet Union, the Tatars were suppressed and their Islamic mosques closed. Today the Tatars – along with other non-Russian peoples – are asserting their independence within the Russian Federation. The Tatars are reviving their traditional customs and are taking steps to gain control of the local economy.



INDUSTRY

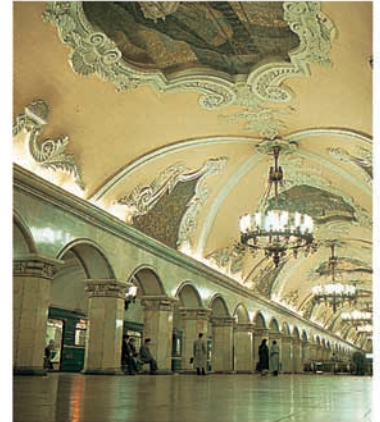
The former Soviet Union invested heavily in its industry. Vast industrial complexes were built in the iron-rich Ural Mountains and in the Kuzbass coalfield of southern Siberia. The production of coal, iron, and other minerals soared, and heavy industries, such as engineering, steel, iron, and chemical production, dominated the economy. However, Russia is now paying a price for this big advance. Many factories are old and inefficient, polluting the environment with harmful emissions.

Russian exports



THE MOSCOW SUBWAY

During the 1930s, the Soviet government built a huge underground railroad system beneath the streets of Moscow. The system is fast and efficient and is used daily by more than 7 million people. The stations were built deep down in the ground so that they could be used as air-raid shelters during wartime. Many are beautifully decorated with paintings, sculptures, and mosaics.



WOMEN WORKERS

Many more Russian men than women died during World War II and in the labor camps set up by the Soviet leader Stalin. As a result, there are far more women than men in Russia, and women make up around 50 percent of the workforce. Good child care and medical services enable women with children to go out to work. Many work on the railroads or drive buses and streetcars. Most factories have large female workforces and many professions, such as medicine, dentistry, and teaching, are dominated by women.



Well-known Western brands were sold quickly on the newly opened Russian market.

MARKET ECONOMY

When the USSR collapsed in 1991, the state-run, planned economy went with it. Switching abruptly to a liberal Western-style economy caused many problems for ordinary Russians, widening the gap between rich and poor. A severe crisis in 1998 was largely overcome, but Russia is still struggling to achieve Western-style prosperity.



This woman worker is helping clear heavy snow in Moscow.

RUSSIAN FEDERATION

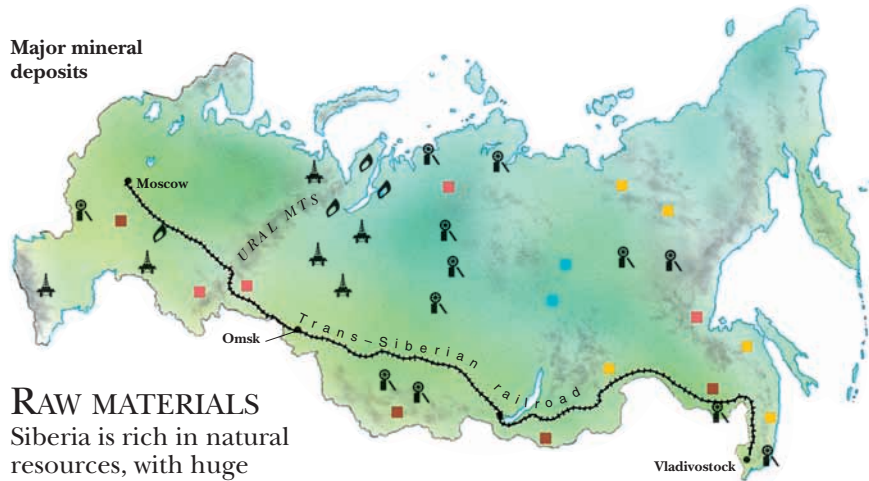
TO THE EAST of the Ural Mountains lies Asian Russia. This vast expanse of land, known as Siberia, is bigger than the combined size of the US and western Europe. Yet because of the harsh climate, only 40 million people live here. Parts of Siberia are colder in winter than the North Pole. To the north are frozen plains, or tundra, while farther south it is just warm enough to grow some hardy crops. For centuries, Siberia remained undeveloped, home only to peoples who trapped animals for their meat and fur and caught fish in the local rivers. But the discovery of minerals, such as gold and diamonds, has opened the region up to economic and industrial development.



KAMCHATKA

Hanging off the eastern end of Siberia, the Kamchatka Peninsula is one of the most isolated parts of Russia. Under the Soviet Union, Kamchatka bristled with military bases because of its closeness to both Japan and the US. Today, the military presence is reduced and people are returning to more traditional ways of making a living. Once more, people are fishing in the many rivers, herding reindeer, or hunting seals, sea otters, and bears for their skins.

Major mineral deposits



RAW MATERIALS

Siberia is rich in natural resources, with huge reserves of oil, gas, coal, metals, diamonds, and gold. The Trans-Siberian railroad transports vast amounts of minerals from Siberia to European Russia. Western Siberia contains one-third of the world's natural gas reserves, as well as a huge oilfield producing 8.4 million barrels of oil a day, more than two-thirds of the entire Russian output. Development of these resources, however, is difficult, for the climate is harsh and laying pipelines to carry fuel over such long distances is expensive.

- Coal
- Gas
- Oil
- Copper
- Diamonds
- Gold
- Iron



The elegant dining car of the Trans-Siberian Express

THE TRANS-SIBERIAN RAILROAD

The Trans-Siberian railroad is the world's longest continuous rail line. It begins at Moscow's Yaroslavl station in the west and stretches 5,866 miles (9,440 km) across to Vladivostok in the east. Trains cross eight time zones and take eight days to complete the journey. In recent years the line has become increasingly congested. New lines, including the Baikal-Amur Mainline, have been built alongside to relieve this problem.

The boxes are often decorated with scenes from fairy tales.



ARTS AND CRAFTS

The rise in Russian nationalism has been accompanied by a return to traditional crafts, folk tales, and music and dance. Skilled craftworkers make boxes and other items from wood or *papier mâché*. The lacquered boxes are decorated with miniature paintings.

CLOSED AND SECRET CITIES

Under Soviet Union rule, two types of cities were off limits to all but an authorized few. Closed cities, including Vladivostok (shown left), were sites of military or industrial importance. Secret cities were places of research in chemical and nuclear warfare. They did not appear on maps and were located in remote areas surrounded by restricted-access zones, patrolled by armed guards. Today, most closed cities are open to visitors, but secret cities remain out of bounds.





Hand-painted Russian chess set

CHESS

The ancient game of chess became popular in Russia as a way of spending long, dark winter evenings by the fireside. Today, chess is still widely played here. Russian Grand Masters such as Karpov and Spassky have dominated world chess tournaments. During a big match, giant chessboards are displayed in big city squares so the public can follow the competitors' moves.



FORESTRY

The taiga forest of northern Russia and Siberia provides work in logging, paper production, chemicals, and furniture making. In the past, most forestry jobs were in the more accessible parts of northern Russia. But many of these forests have been cleared, and new seedlings take up to 80 years to produce mature wood. As a result, the center of the forestry industry has moved south and east into Siberia. Today, most lumber production is located in southern Siberia near Lake Baikal or on the Amur River near the Pacific coast.

LIVING IN A COLD CLIMATE

The Yakut people of eastern Siberia are used to living in a cold climate – winter temperatures drop to -45°F (-43°C). Engines are kept running 24 hours a day to prevent them from freezing up. Drinking water is delivered as chunks of ice sawn out of the local river. Even during the brief summer, most ground remains frozen hard. Houses are often built on raised concrete platforms or wooden stilts to protect them from frost damage.



Window frames are often attractively decorated.

Food is stored in bags outside the windows and defrosted when needed.

Milk is sold in frozen brick form with wooden handles inserted so that it can be carried home easily.

The Yakut people make their living by herding reindeer in the north of the region and rearing cattle in the center.

Sleds pulled by dogs or reindeer are a traditional way of traveling through the snow.

The Yakut survive the winter by wearing many layers of warm clothing made from animal skins and fur. People wear felt or reindeer-fur boots, rather than leather, which freezes and cracks quickly.



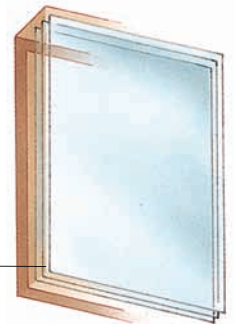
Fur hats with ear-flaps protect their wearers from Russian winters.



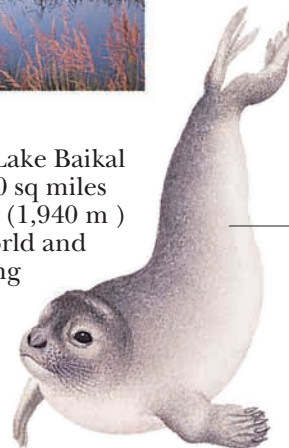
LAKE BAIKAL

Known as the "blue eye of Siberia," Lake Baikal in southeastern Siberia covers 12,150 sq miles (31,468 sq km) and is up to 6,367 ft (1,940 m) deep. It is the deepest lake in the world and the largest freshwater lake, containing more than 20 percent of the world's entire supply of freshwater. In recent years, logging and chemical industries have polluted the water, prompting a major campaign to protect this unique environment.

Windows are triple-glazed to keep out the cold. The air between the three layers of glass acts as insulation.



Lake Baikal is home to the world's only freshwater seal, the nerpa, or Baikal seal. A wide variety of flora and fauna, unique to the area, are found in and around the lake.



FUR FARMS

For centuries, hunters and trappers have worked the Siberian forests to catch ermine, mink, sable, lynx, and fox. In order to protect some species from over-hunting, the Soviet government introduced fur farms, where breeders raise rare animals for their furs. Furs from Siberian animals are turned into hats, coats, and linings for boots and gloves.

Find out more

- BREAKUP OF USSR: 136
- FORESTRY: 69, 86, 244
- ORTHODOX CHURCH: 274
- POLITICAL SYSTEMS: 270–271

TURKEY



TURKEY

Capital city: Ankara
Area: 301,382 sq miles (780,580 sq km)
Population: 71,300,000
Official language: Turkish
Major religions: Muslim 99%, other 1%
Government: Multiparty democracy
Currency: Turkish lira
Adult literacy rate: 87%
Life expectancy: 70 years
People per doctor: 769
Televisions: 286 per 1,000 people

CYPRUS

Capital city: Nicosia
Area: 3,571 sq miles (9,250 sq km)
Population: 802,000
Official languages: Greek and Turkish
Major religions: Greek Orthodox 85%, Muslim 12%, other 3%
Government: Multiparty democracy
Currency: Cyprus pound and Turkish lira
Adult literacy rate: 97%
Life expectancy: 78 years
People per doctor: 381

TURKEY LIES PARTLY IN EUROPE and partly in Asia and is divided by a narrow waterway. For more than 600 years, Turkey was part of the powerful Ottoman Empire. Today, Turkey is a republic and the country is a mix of Islamic and Western traditions. Most people are Turkish-speaking Muslims, although there is no official state religion. Turkey has a varied landscape and climate, and is a popular tourist destination. Many types of crops are grown, and the country is self-sufficient in food.

KEMAL ATATURK
 Kemal Ataturk was the founder and first president of the modern state of Turkey after the collapse of the Ottoman Empire in the early 20th century. He brought about many reforms in Turkish society, including greater freedom for women and better education for all.



This depiction of Kemal Ataturk towers over Antalya, in southern Turkey.



Kurdish children living in Harran in Turkey

THE KURDS
 The Kurds, numbering about 25 million, are one of the largest groups of people in the world who have no homeland. They live in a mountainous area split between four countries: Turkey, Iran, Iraq, and Syria. The Kurds have sought to form their own state – Kurdistan.



AGRICULTURE

About half of the Turkish workforce is employed in agriculture – growing crops such as wheat, cotton, tobacco, sugar beet, and fruit. Tea is grown along the Black Sea coast and is a popular drink. Much of the work in the fields is done by women. With plenty of fertile farmland, Turkey can produce enough food not only for its own needs, but for export, too.



EPHESUS

Each year, millions of tourists visit Turkey for its sunny weather, sandy beaches, and ancient sites. These include the ruined city of Ephesus on the Aegean coast, famous for its huge, open-air theater, carved out of the hillside in the first century, with seating for 24,000 people. Tourism is one of Turkey's major industries.

MARKETS

Bustling street markets, or bazaars, are a common sight in many Turkish towns and cities. Turkey is famous for its arts and crafts, particularly for its fine carpets, pottery, beaten copperware, and leatherwork. Carpets are woven from silk, wool, and cotton and decorated with beautiful geometric and floral designs, often symbolizing the maker's family or area of origin.



This carpet stall is in the Grand Bazaar in Kusadasi, in western Turkey.

STREET CAFES

Street cafés are popular meeting places, especially with men. They visit them to drink tea or Turkish coffee, smoke pipes, and chat. Games, such as cards or backgammon, are often played.

Men smoke pipes called hubble-bubbles. Smoke is drawn into the mouth through a long tube.

Rich, dark Turkish coffee is a popular drink.



Men often play cards in street cafés.



ISTANBUL

Istanbul is the only city in the world to lie on two continents. It is split between Europe and Asia by a narrow channel of water called the Bosphorus. Bridges link the two parts of the city. Istanbul is a mixture of old and new, eastern and western, with elegant mosques side-by-side with sprawling slums. It is Turkey's largest city and main port. Until the move to Ankara in 1923, it was also Turkey's capital.

CYPRUS

CYPRUS IS A LARGE, picturesque island in the eastern Mediterranean, popular as a tourist destination. It was under Turkish, then British control, until its independence in 1960. The majority of the islanders are Greeks; about a fifth are Turkish. Conflict between the two groups led to a division of the island in 1974 into the Greek south and Turkish north.



This house stands on Hermes Street in Nicosia, the capital of Cyprus. The street marks the division between the Greek south and Turkish north. Turkey is the only country to recognize Turkish Northern Cyprus officially.

Find out more

CARPET MAKING: 155, 165, 210
 ISLAM: 275
 TEA: 172, 238

THE MIDDLE EAST I

AT THE EASTERN EDGE OF THE MEDITERRANEAN SEA, this region includes the countries of Israel, Lebanon, Jordan, and Syria. It is the birthplace of some of the world's oldest civilizations and has close ties with three major religions – Judaism, Christianity, and Islam. The land is mostly dry and barren, particularly to the east, but it is lush and more fertile along the Mediterranean coast. After centuries of invasion by Arabs, Christian Crusaders, and Turks, the present-day countries took shape in the last 100 years. Since then, they have been plagued by civil wars and conflicts.

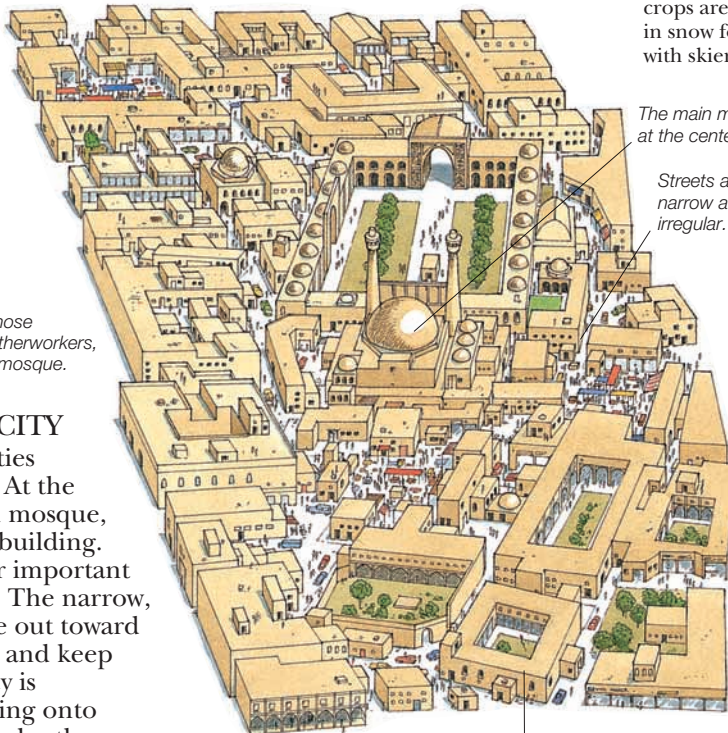


A LAND OF CONTRASTS

A range of mountains stretches from Lebanon in the north to Israel in the south, which contrasts with the deserts to the east and the coast to the west. In Lebanon, the mountains drop away to rich, fertile plains where cereal crops are grown. The mountaintops are covered in snow for most of the year and are popular with skiers.



Noisy or smelly market stalls, such as those belonging to metalsmiths (above) or leatherworkers, are placed at a distance from the main mosque.



The main mosque stands at the center of the city.

Streets are narrow and irregular.

A MIDDLE EASTERN CITY

Many traditional Muslim cities follow a distinctive pattern. At the heart of the city is the main mosque, which is usually the largest building. This is surrounded by other important buildings and market stalls. The narrow, irregular streets that radiate out toward the city walls provide shade and keep down wind and dust. Privacy is important, and doors opening onto narrow streets never face each other.



The market stalls selling religious goods, such as candles, incense, and books (above), are placed closest to the main mosque in the center of the city.

Many houses face courtyards.



THE DEAD SEA

On the border between Israel and Jordan lies a large lake known as the Dead Sea. It is the lowest place on Earth – some 1,312 ft (400 m) below sea level. Salt deposits rise up like pillars out of the water. No fish can live there, which is how the lake got its name. Mud from the shore of the Dead Sea is said to have healing properties.



Yasser Arafat (1929–2004) was leader of the Palestine Liberation Organization (PLO), which represented the interests of Palestinian Arabs.

PALESTINE

In 1948, the Jewish state of Israel was created from the country of Palestine, the ancient land of the Jews and the home of the Palestinian Arabs. Thousands of Palestinians were driven from their homes and land. Many went to live in the West Bank and the Gaza Strip. In 1967, Israel captured and occupied these areas.

After agreeing to peace accords in 1993, the Palestinians were given control over parts of these areas, and Israel intends to leave Gaza by 2006.

However, violence between the two communities continues.

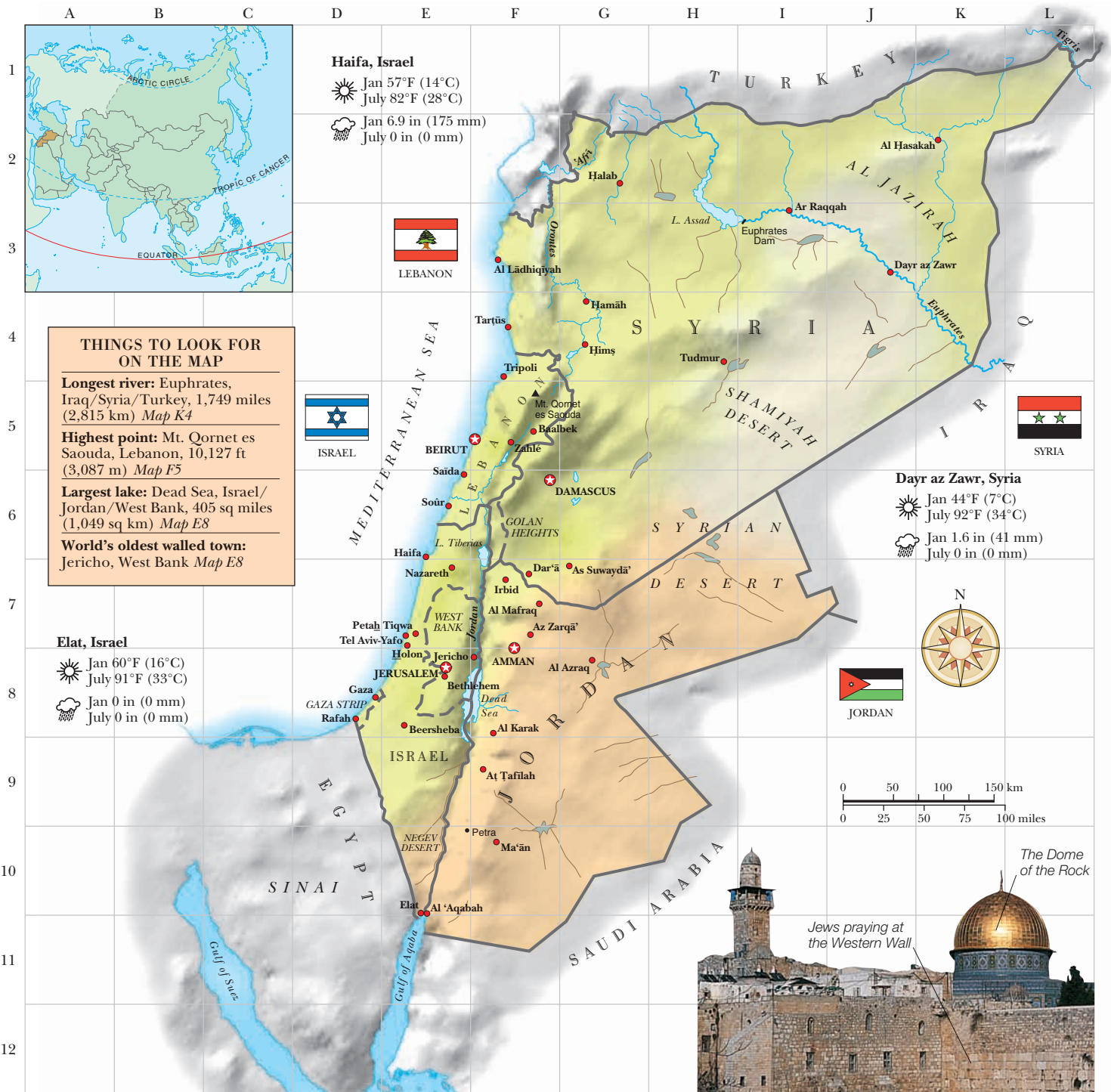


Gaza Strip

West Bank

▲ Israeli settlements

● Major cities



THINGS TO LOOK FOR ON THE MAP

Longest river: Euphrates, Iraq/Syria/Turkey, 1,749 miles (2,815 km) *Map K4*

Highest point: Mt. Qornet es Saouda, Lebanon, 10,127 ft (3,087 m) *Map F5*

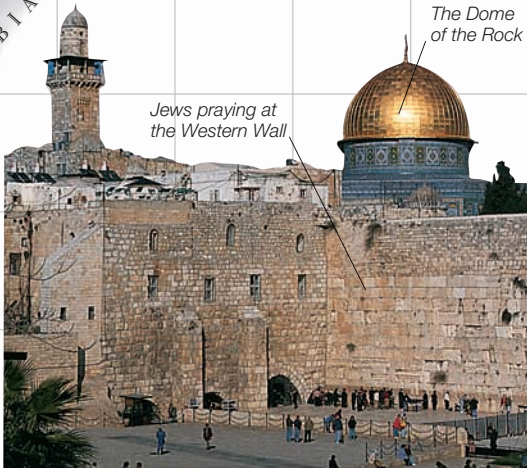
Largest lake: Dead Sea, Israel/Jordan/West Bank, 405 sq miles (1,049 sq km) *Map E8*

World's oldest walled town: Jericho, West Bank *Map E8*

Haifa, Israel
 ☀ Jan 57°F (14°C)
 ☀ July 82°F (28°C)
 ☁ Jan 6.9 in (175 mm)
 ☁ July 0 in (0 mm)

Dayr az Zawr, Syria
 ☀ Jan 44°F (7°C)
 ☀ July 92°F (34°C)
 ☁ Jan 1.6 in (41 mm)
 ☁ July 0 in (0 mm)

Elat, Israel
 ☀ Jan 60°F (16°C)
 ☀ July 91°F (33°C)
 ☁ Jan 0 in (0 mm)
 ☁ July 0 in (0 mm)



JEWISH HOMELAND
 Before the state of Israel was created, Jews were scattered throughout the world. Many suffered persecution. During World War II, six million Jews were killed by the Nazis in Europe. After the war, thousands of Jews from all over the world emigrated to Israel, the home of their ancestors.



THREE GREAT FAITHS
 The history of three of the world's major religions is closely linked to this region. Judaism and Christianity began here, while Islam spread to the area from nearby Saudi Arabia. Jerusalem, in Israel, is a holy city for all three faiths. The Dome of the Rock, sacred to Muslims, and the Western Wall, sacred to Jews, stand on the same site.



SYRIA

SYRIA IS AN ANCIENT LAND. Its capital, Damascus, is one of the world's oldest cities. Because of its important position on major trade routes, Syria has been invaded and occupied many times – by the Romans, Arabs, Greeks, and Turks. After World War I, it came under French control, becoming independent in 1941. Since then Syria has been involved in several wars with Israel. Most Syrians are Muslim and speak Arabic. More than half of Syria is desert, but the river floodplains provide fertile land.



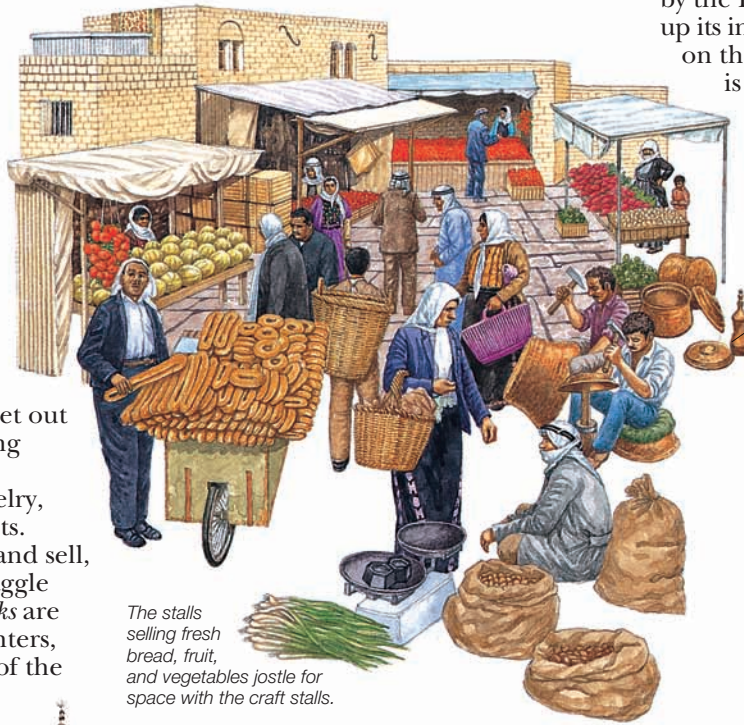
PALMYRA

The rich and varied history of Syria is reflected in the many ancient ruins from past civilizations found scattered throughout the country. In the 3rd century, Palmyra, with its palaces, temples, and theaters, was a flourishing city, but it was destroyed by the Romans for refusing to give up its independence. It lies in an oasis on the edge of the desert, and is one of the best preserved ancient cities in the world.

SYRIA
Capital city: Damascus
Area: 71,498 sq miles (185,180 sq km)
Population: 17,800,000
Official language: Arabic
Major religions: Muslim 90%, Christian 10%
Government: One-party dictatorship
Currency: Syrian pound
Adult literacy rate: 83%
Life expectancy: 70 years
People per doctor: 769
Televisions: 70 per 1,000 people

MARKETS

Markets, or *souks*, are held in villages and towns throughout Syria. The *souks* are lively, bustling places, with market stalls set out on winding alleyways selling anything from spices and vegetables, to carpets, jewelry, basketwork, and coffee pots. People come here to buy and sell, meet their friends, and haggle (bargain) over prices. *Souks* are more than just trading centers, they are a central feature of the Arab way of life.



The stalls selling fresh bread, fruit, and vegetables jostle for space with the craft stalls.

Craftsmen and women are often seen working at their stalls in the souk: beating and engraving copper, carving wood, and weaving baskets.

MUSLIM GROUPS

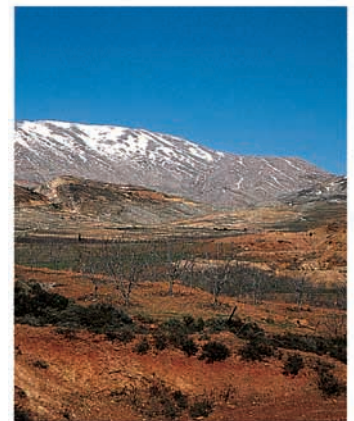
The majority of Syrians belong to the traditionally powerful Sunni Muslim group. But there are other Muslim sects, such as the Shi'as, Ismailis, and Alawis. The Alawis believe not only in Islam, but in some aspects of Christianity. For example, they celebrate Christmas and Easter. The Alawis were persecuted in the past, but many have now become rich and powerful. President Assad of Syria was an Alawi Muslim.



A minaret (tower) on a Muslim mosque, from which the faithful are called to prayer five times a day

THE EUPHRATES DAM

The Euphrates River flows through the northeast of Syria on its journey from Turkey to Iraq. A gigantic dam has been built across the river to harness the power of the water and produce hydro electricity. Sharing the waters of the Euphrates is a big issue for Turkey, Syria, and Iraq. A huge lake, Lake Assad, was also created by the dam. Water from the lake is used to grow crops.



THE GOLAN HEIGHTS

The mountainous area known as the Golan Heights was seized from Syria by Israel in 1967. It is important to the Israelis because it overlooks the Hula Valley in Israel, offering a good strategic position. It has been a major issue in past peace talks between the two countries, but the renewed Israeli-Palestinian conflict since 2001 has left the issue unresolved.

Find out more

HYDROELECTRICITY: 108, 262
 ISLAM: 275
 ISRAELI TERRITORY: 146
 OASES: 213

LEBANON

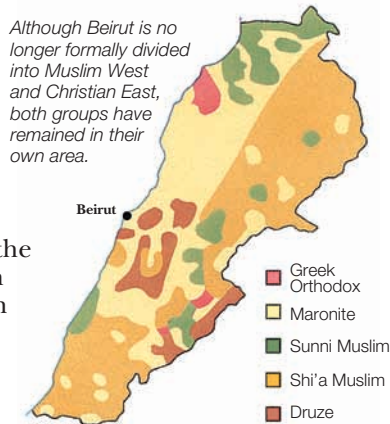


LEBANON	
Capital city:	Beirut
Area:	4,015 sq miles (10,400 sq km)
Population:	3,700,000
Official language:	Arabic
Major religions:	Muslim 70%, Christian 30%
Government:	Multiparty democracy
Currency:	Lebanese pound
Adult literacy rate:	87%
Life expectancy:	71 years
People per doctor:	476
Televisions:	352 per 1,000 people

LEBANON IS A SMALL COUNTRY at the eastern end of the Mediterranean bordered by Syria and Israel. The people of Lebanon are mostly Arabs, belonging to a great variety of religious groups. Lebanon was once the cultural and business center of the region, but in 1975, tensions between Muslim and Christian groups led to the outbreak of a violent civil war that almost destroyed the country. Peace terms were agreed in 1989 and some stability was restored.

RELIGIOUS GROUPS

The Lebanese population is a jigsaw puzzle of religious groups, including different Christian and Muslim sects. The largest Christian group is the Maronites, who practice a form of Catholicism. Other Christian groups include the Greek Orthodox. The Muslims are mainly of the Shi'a sect, but there are also many Sunnis.



DRUZES

The Druze faith is an offshoot of Islam that is now considered a religion in its own right. There are about 200,000 Druzes in Lebanon, mainly living in the southern mountains. They have many customs designed to protect their community. It is impossible to become a Druze unless you are born one, and you cannot give up your faith. Marriage is only allowed within the community to ensure that the Druze faith continues.

REBUILDING BEIRUT

Before its destruction in the civil war, Beirut was a cultural center. It was known as the "Paris of the East" and was one of the region's most important ports and business centers. For many years the city lay in ruins, but a government project to rebuild Beirut has managed to restore its financial center and has succeeded in attracting visitors back to the capital.

Where people live



90% live in cities

10% live in the country



CEDAR TREES

The cedars of Lebanon are the country's symbol and appear on the national flag. In biblical times, great forests of cedar trees covered the slopes of the Lebanese mountains. Today, they survive only in a few protected groves. Some of these trees are more than 1,500 years old.



TYRE AND SIDON

The civil war ruined Lebanon's thriving tourist industry. Attempts are now being made to attract visitors back to the country's fine beaches and historical sites, such as the two cities of Tyre and Sidon. These were built by the Phoenicians some 3,000 years ago and were famous in Roman times for their glassware and purple dyes.

LEBANESE FOOD

The national dish of Lebanon is *kibbe*, made of lamb, bulgur (cracked wheat), and onions, pounded together. The mixture is shaped into balls or patties and baked or fried. Sweet pastries, stuffed with nuts and dates and covered in honey, are also popular.

Vegetables such as rutabagas and spices such as chillies are often eaten with the main meal.



Kibbe is the Lebanese national dish.



Rutabaga



Chillies

Find out more

- LEBANESE FLAG: 147
- LEBANESE LANDSCAPE: 146
- RELIGION: 274-275
- WARS IN THE REGION: 146



ISRAEL

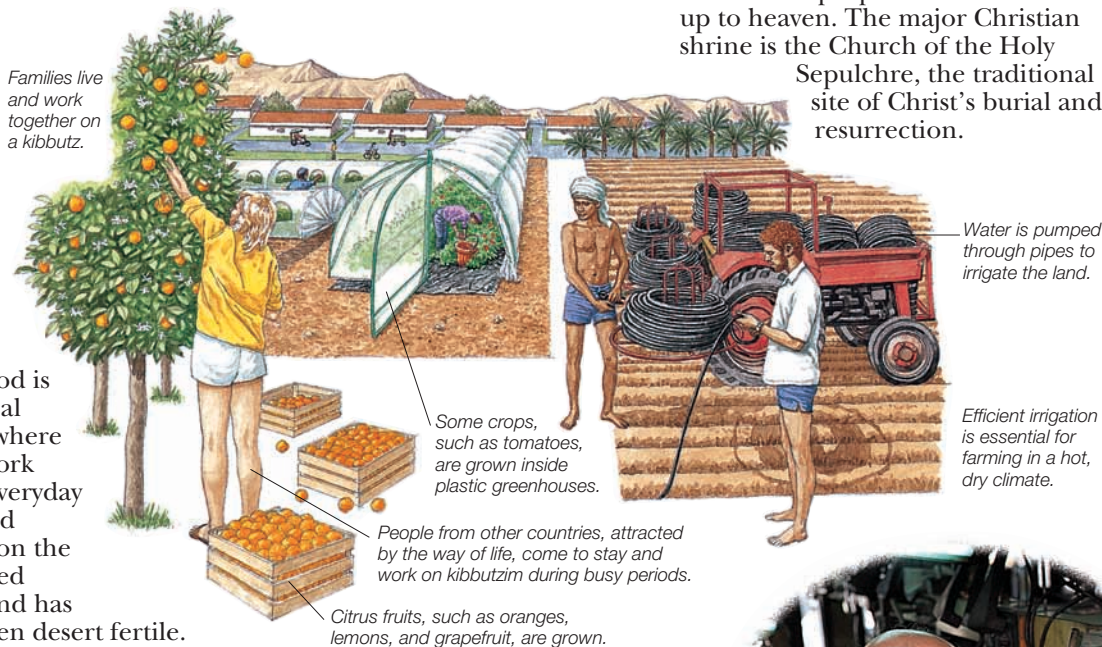
ISRAEL IS A LONG, THIN STRIP of land running along the eastern coast of the Mediterranean Sea. Its landscape is varied, with fertile valleys, dry deserts, mountains, lakes, and rivers. It has a wide range of industries and a modern agricultural system. The state of Israel was created in 1948 as a homeland for Jews from all over the world. The country was previously called Palestine. Much of the Palestinian Arab population was forced to leave Israel, fleeing into Jordan and Lebanon. This has created conflict between Israel, the Palestinians, and neighboring Arab states ever since.



JERUSALEM

The city of Jerusalem is a holy place for Jews, Muslims, and Christians. Within the walls of the Old City is the Jewish Western Wall, the only remaining part of Herod's Temple, and the Temple Mount, from where the Muslim prophet Mohammad rose up to heaven. The major Christian shrine is the Church of the Holy Sepulchre, the traditional site of Christ's burial and resurrection.

ISRAEL*
Capital city: Jerusalem
Area: 8,109 sq miles (20,770 sq km)
Population: 6,400,000
Official languages: Hebrew and Arabic
Major religions: Jewish 80%, Muslim 16%, Christian 2%, other 2%
Government: Multi-party democracy
Currency: New shekel
Adult literacy rate: 95%
Life expectancy: 79 years
People per doctor: 270
Televisions: 318 per 1,000 people
<small>* Figures include the West Bank and Gaza Strip.</small>



Families live and work together on a kibbutz.

Some crops, such as tomatoes, are grown inside plastic greenhouses.

Water is pumped through pipes to irrigate the land.

Efficient irrigation is essential for farming in a hot, dry climate.

People from other countries, attracted by the way of life, come to stay and work on kibbutzim during busy periods.

Citrus fruits, such as oranges, lemons, and grapefruit, are grown.

KIBBUTZ

Almost half of Israel's food is grown on large communal farms called kibbutzim, where many families live and work together. People share everyday tasks such as cleaning and cooking, as well as work on the farm. Use of computerized irrigation to water the land has made large areas of barren desert fertile.



ISRAELI SOLDIERS

Because of the conflict between Israel and the Palestinians, and repeated wars with neighboring countries, the army plays a crucial part in Israeli life. From the age of 18, Israeli men and women must serve in the army for a number of years. Women receive the same training as men, but do not take part in direct combat.

AT PRAYER

Judaism is one of the world's oldest religions. Jews believe in one God and follow the teachings of the Torah, the first five books of the Bible. At prayer, many Jewish men wear blue-edged prayer shawls and small boxes called phylacteries, or *tephilin*, which contain verses from the Torah. Saturday is the Jewish holy day, or Sabbath.

Tephilin are worn on the head and left arm, near the heart, to show that God's teachings control a person's thoughts and feelings.

Knotted tassels serve to remind Jews of God's commandments.



Prayer shawl



DIAMOND CUTTING

About 25 percent of Israel's export earnings come from its diamond industry. The rough diamonds are imported, and then skillfully cut and polished for use in jewelry settings.

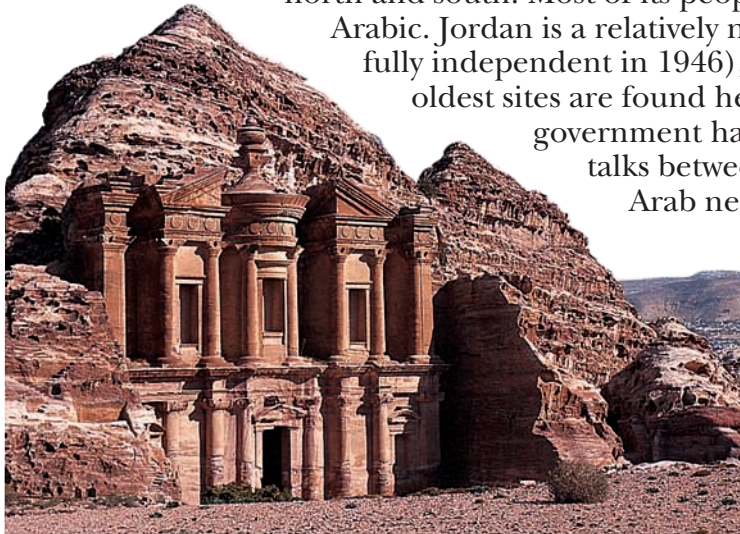
Find out more

DIAMONDS: 226, 248
 IRRIGATION: 155, 156, 217
 JUDAISM: 275
 PALESTINE: 146



JORDAN

JORDAN LIES TO THE NORTHWEST of the Arabian Peninsula. Aside from a short coastline along the Gulf of Aqaba, it is completely landlocked, or cut off from the sea. Much of eastern Jordan is desert, with mountains in the north and south. Most of its people are Muslim and speak Arabic. Jordan is a relatively new country (it became fully independent in 1946), but some of the world's oldest sites are found here. In recent years, the government has played a part in peace talks between the Israelis and their Arab neighbors.



Ed-Deir (The Monastery) is the largest monument in Petra.

PETRA
The spectacular rose-red city of Petra was carved out of desert rock by the Nabateans in the 4th century BC. It is Jordan's most famous historic site. Among the amazing rock-cut buildings are the Khazneh (Treasury) and the Royal Tombs, reached on horseback through a narrow, winding gully.

JORDAN
Capital city: Amman
Area: 35,637 sq miles (92,300 sq km)
Population: 5,500,000
Official language: Arabic
Major religions: Muslim 92%, other 8%
Government: Monarchy with democratic system
Currency: Jordanian dinar
Adult literacy rate: 91%
Life expectancy: 72 years
People per doctor: 588
Televisions: 52 per 1,000 people

REFUGEE CAMPS

When Israel was formed in 1948, tens of thousands of Palestinians were forced to flee their homes and become refugees in Jordan and other Arab countries. More than 40 years later, they are still there. In Jordan alone, there are 1.6 million Palestinian refugees. Many have been born and brought up in refugee camps. This Palestinian refugee camp is near Amman.



Houses being built in Amman

POPULATION GROWTH

The population of Jordan, roughly equally divided between Jordanians and Palestinians, is growing rapidly. Providing housing, jobs, schools, and health care for the growing number of people is one of the Jordanian government's most urgent problems.



GULF OF AQABA

The Gulf of Aqaba is the narrow, northeastern arm of the Red Sea between Saudi Arabia and the Sinai Peninsula. It is 99 miles (160 km) long and up to 17 miles (27 km) wide. At its head lies Jordan's one seaport, Aqaba. This short stretch of coastline is Jordan's only outlet to the sea. It is also popular with vacationers.



JORDAN RIVER

Water is in short supply throughout the Middle East. Control of the Jordan River, which forms the border between Jordan and Israel, has become an important issue in peace talks between the two countries. Jordan, a relatively poor country, has a particular need for a greater share of the water to irrigate its land so it can produce more crops.

Find out more

- ANCIENT SITES: 134
- ISLAM: 275
- MIDDLE EAST HISTORY: 146-147
- POPULATION GROWTH: 16-17

THE MIDDLE EAST II

THIS SECTION OF THE MIDDLE EAST is in southwestern Asia and is covered primarily by dry, barren desert or rugged mountains. Ingenious irrigation techniques direct river water onto fields, and desalination plants are used to make seawater drinkable. In the 20th century, large deposits of oil were discovered around the Persian Gulf. Today, oil is the main source of income for many Middle Eastern countries. The majority of the population is Muslim and the most widely spoken language is Arabic. In recent years, the region has suffered a series of wars and conflicts between neighboring countries.

Sand dunes are created by a buildup of sand carried along by strong winds.

Sandstorms arise when strong winds blow sand and dust across the desert, obscuring the sky.

When the wind blows in one direction, it causes a ripple effect in the sand.

Some hardy plants can survive all year in the desert because their long roots collect water over a wide area.

Bedouin nomads face a constant fight for survival as they move from place to place with their animals in search of food and water.

ROCKY DESERT
Part of the Middle East is rocky desert, where bare rock has been stripped clean by intense heat, drying winds, and occasional but heavy rainstorms.

Settlements may grow up around oases – these are often created by water coming to the surface through a fault (split) in the rock.

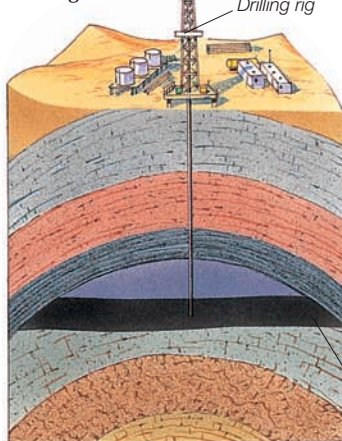
DESERT

Aside from fertile patches of land along the Tigris and Euphrates rivers, by the coast, and near isolated oases, much of this region is covered by hot, dry deserts, both rocky and sandy. These include the Rub'Al Khali, or Empty Quarter, a vast sandy desert in Saudi Arabia. Large areas of desert are uninhabited because of the lack of water for drinking and farming.

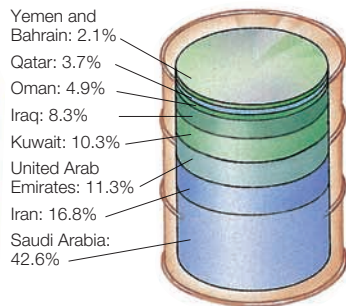
OIL PRODUCTION

More than 65 percent of the world's oil is found in the Middle East, and the region supplies almost a third of the world's daily oil production. The discovery of oil has brought great wealth to the Middle East, leading to rapid industrial and social change in a formerly underdeveloped region. It has also greatly increased the region's international importance and influence on world affairs.

Drilling for oil



Distribution of oil production in the Middle East



Oil wells are drilled deep down into the ground to extract the oil trapped between layers of rock.

WARFARE

In recent years, the Middle East has been frequently troubled by wars, in which thousands of people have lost their lives. In 1980, the long-standing rivalry and border dispute between Iran and Iraq erupted into a war that lasted until 1988. In 1991 and again in 2003, an international force led by the US attacked Iraq, overthrowing its dictator, Saddam Hussein.



Rusting tanks in Iraq serve as a reminder of recent warfare.



A sign marks part of the border between Iran and Iraq.

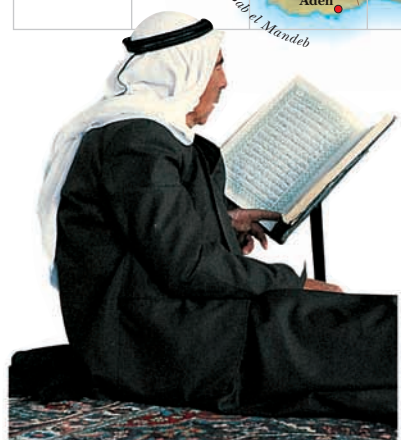
DISPUTED BORDERS

Many Middle Eastern countries are relatively new, created in the 20th century when the region was divided up by its Western rulers. These artificial divisions, sometimes poorly defined, have led to many border disputes, especially between Iraq and its six neighboring countries.



Dubai, United Arab Emirates

CITIES
The Middle East has some of the most rapidly growing cities in the world. This is because of the enormous wealth brought to the region by the discovery of oil and by the growth in population. These large cities are built along the lines of many modern cities in Western countries, with high-rise apartment and office buildings of glass, steel, and concrete.



ISLAM

Islam originated in the Middle East in the 7th century and is still the dominant religion of the region. Muslims, the followers of Islam, believe in one God, Allah, and in Mohammad, his prophet. Mohammad was born in Mecca, in modern-day Saudi Arabia. The Muslims' holy book is the Koran, which contains Allah's teachings as revealed to Mohammad.

A devout Muslim reading the Koran



IRAQ

IRAQ IS ONE OF THE LARGEST and most powerful countries in the Middle East. Most of its people are Muslim and Arabic speaking. There are also around 4 million Kurds living in the north. Aside from the fertile plains of the Tigris and Euphrates rivers, most of Iraq is mountainous or covered in desert. Only about a sixth of the country is suitable for farming and much of Iraq's food is imported. Since Iraq became a republic in 1958, it has experienced great political unrest. In 2003, a US-led international force invaded Iraq and removed its dictatorial leader, Saddam Hussein. The country is now moving towards democracy.

IRAQ
Capital city: Baghdad
Area: 168,753 sq miles (437,072 sq km)
Population: 25,200,000
Official language: Arabic, Kurdish
Major religions: Muslim 95%, other 5%
Government: Multi-party democracy
Currency: New Iraqi dinar
Adult literacy rate: 40%
Life expectancy: 63 years
People per doctor: 1,667



BAGHDAD
Baghdad, the capital of Iraq, lies on the banks of the Tigris River. It is the largest city in Iraq and the country's center of business and government. A city of contrasts, it is a mixture of ancient mosques, modern high-rise buildings, and packed bazaars. Baghdad has been a center of Islamic culture for more than a thousand years.

MARSH ARABS

The Marsh Arabs have hunted and fished in the marshes of southern Iraq for more than 5,000 years. In recent years they were under threat because of their opposition to Saddam Hussein, whose government drained the marshes to water crops elsewhere. This endangered both the Marsh Arabs and the region's unique wildlife.



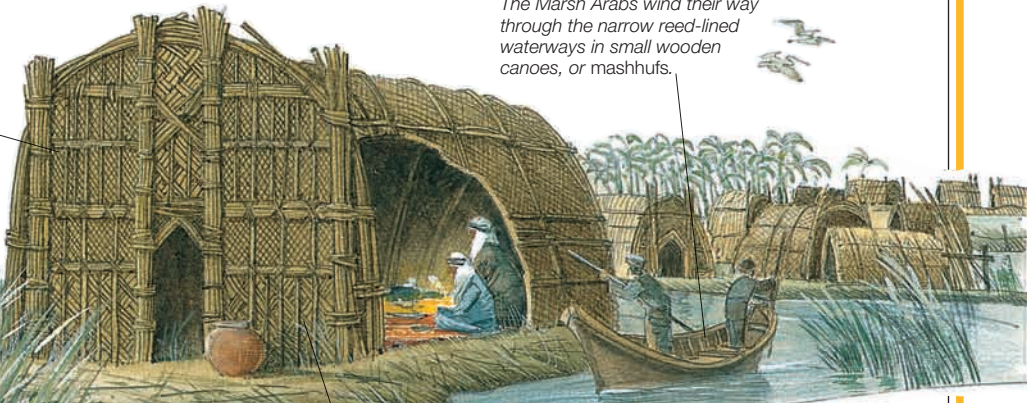
The white pelican is one rare species of bird that makes its home in the marshlands in winter.



SADDAM HUSSEIN

In 1979, Saddam Hussein became leader of Iraq. Under his dictatorship, many Iraqis who opposed his rule, especially Kurds, were savagely killed or imprisoned. During the invasion of Iraq in 2003, statues of the dictator were pulled down by his victorious opponents.

The huts, or mudhifs, are made of reeds bound tightly together.



The reed huts are built on platforms made of mud.

This ziggurat is in Ur, once a thriving city in Mesopotamia.



The fertile crescent extends through Iraq, Syria, Lebanon, Israel, and into northern Egypt.



MESOPOTAMIA

Many ancient peoples settled in Mesopotamia (part of which is now Iraq) because it lay in the fertile crescent of land formed by the Tigris and Euphrates rivers. The area has many ancient ruins, including stepped, pyramidlike structures called ziggurats, found at Babylon and Ur. The steps led to a temple at the top.



PIPING OIL

Iraq's most important natural resources are oil and natural gas. Oil production began on a large scale in 1945 and now dominates the economy. Because Iraq has only a short stretch of coastline along the Persian Gulf, it relies on pipelines through Turkey, Syria, and Saudi Arabia to export its oil.

The Marsh Arabs wind their way through the narrow reed-lined waterways in small wooden canoes, or mashhufs.

Find out more

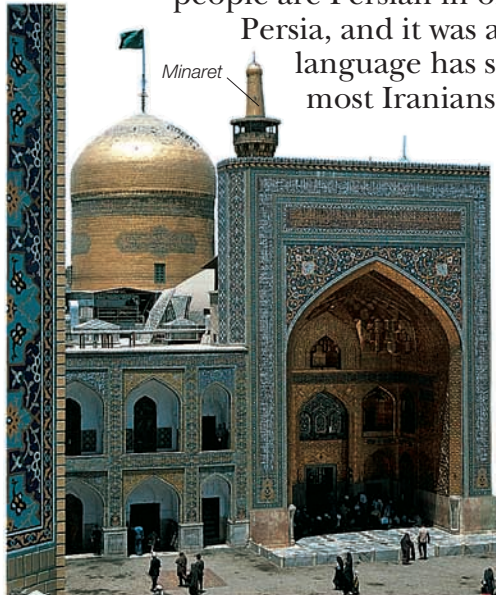
ANCIENT SITES: 134
 DICTATORSHIP: 271
 KURDS: 144
 OIL: 137, 152, 281



IRAN
Capital city: Tehran
Area: 636,293 sq miles (1,648,000 sq km)
Population: 68,900,000
Official language: Farsi
Major religions: Muslim 99%, other 1%
Government: Islamic republic
Currency: Iranian rial
Adult literacy rate: 77%
Life expectancy: 69 years
People per doctor: 2,625
Televisions: 157 per 1,000 people

IRAN

IRAN IS THE LARGEST NON-ARAB country in the Middle East; its people are Persian in origin. In ancient times, Iran was called Persia, and it was at the center of a great empire. The Persian language has survived from that time and is spoken by most Iranians. The country consists of a huge, central plateau ringed by the Zagros and Elburz mountains. In 1979, the last shah, or king, of Iran was overthrown by an Islamic revolution and the country was declared a republic. Today, oil is Iran's biggest export.



MOSQUE

Mosques are Muslim places of worship. All mosques have at least one tall tower, or minaret, from which the faithful are called to prayer. Many mosques are beautifully decorated with abstract patterns and verses from the Koran, the holy book of Islam. Artists avoid representing living things because Muslims believe nothing should be worshiped except for God, and that God is the only creator of life.



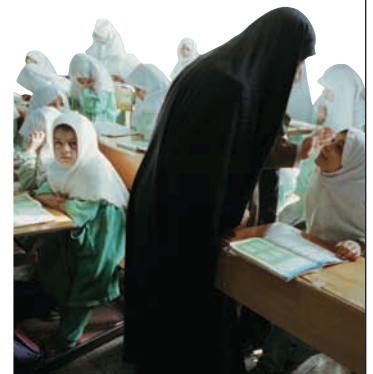
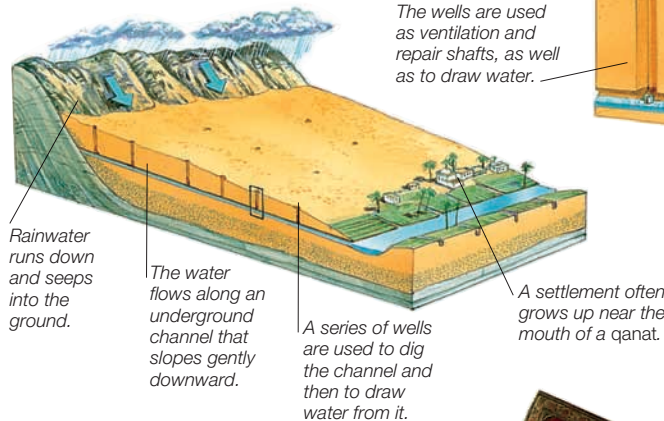
Shepherds leading their flock of sheep through the Elburz Mountains

AGRICULTURE

In recent years, Iran has tried to become less dependent on food imports and has started growing more crops, such as cereals, tea, and cotton. Herds of cattle, sheep, and goats continue to be kept by many farming families.

QANAT IRRIGATION

Less than half of the Iranian countryside is suitable for farming, and then only if it is well irrigated, or watered. Traditional irrigation methods include dams, wells, and *qanats*. A *qanat* is an underground channel that transports water from a source to an area that can be farmed. Some *qanats* are more than 25 miles (40 km) long.



A class of girls in traditional dress. In Iran girls and boys are educated separately.

THE AYATOLLAH

Ayatollah Khomeini was a key figure in the Iranian revolution and remained Iran's political and religious leader until his death in 1989. The shah had tried to introduce Western ideas to Iran, but Khomeini wanted the country to be governed by traditional Islamic laws and values. His ideas still dominate Iran.



PERSIAN CARPETS

Iran is famous for its handwoven Persian carpets. Each consists of thousands of pieces of wool knotted into elaborate patterns. The weavers always make a deliberate mistake in their work because, as Muslims, they believe that nothing is perfect except God. Carpets are Iran's second largest export, after oil.



This woman is weaving a carpet on a vertical loom.

Graceful patterns of flowers and leaves combined with abstract shapes are a feature of Persian carpets.

Find out more

- CARPET MAKING: 144, 165, 210
- IRRIGATION: 156, 217
- ISLAM: 275
- POLITICAL SYSTEMS: 270

SAUDI ARABIA



SAUDI ARABIA
Capital city: Riyadh
Area: 756,981 sq miles (1,960,582 sq km)
Population: 24,200,000
Official language: Arabic
Major religion: Muslim 100%
Government: Absolute monarchy
Currency: Saudi riyal
Adult literacy rate: 78%
Life expectancy: 73 years
People per doctor: 588
Televisions: 262 per 1,000 people

SAUDI ARABIA IS BY FAR the largest country in the Arabian Peninsula. Some 90 percent of this Muslim nation is covered by the hot, dry, sandy Arabian Desert, including the vast Rub'Al Khali, or Empty Quarter, in the south. There are no permanent rivers, and years may pass without any rainfall. The discovery of huge oil reserves has made Saudi Arabia extremely rich and powerful, and has enabled it to develop and improve its industry, agriculture, and standard of living.



OPEC
Saudi Arabia has the largest oil reserves in the world. Oil accounts for over 90 percent of the country's exports. Saudi Arabia is a key member of OPEC (Organization of Petroleum Exporting Countries). OPEC sets guidelines for the production and export of oil, and protects the interests of its member countries.

MECCA

Mecca, the birthplace of the prophet Muhammad and the holiest city of Islam, is in the west of Saudi Arabia. Each year, more than a million pilgrims from all over the world flock to Mecca to visit the sacred Ka'ba shrine in the Great Mosque. Muslims are expected to undertake the *haji*, or pilgrimage to Mecca, at least once in their lives.



The Ka'ba stands on the remains of an ancient shrine, which, according to the Koran (the Muslim holy book), was built by Abraham.

Many Islamic women wear a veil, or burqa.



WOMEN'S ROLE

Women in Saudi Arabia and some other Muslim countries live restricted lives by Western standards. Many women wear traditional Muslim dress, with long robes and veils covering their heads and faces. In Saudi Arabia, women are not allowed to work with men or to drive cars, although every girl has the right to a good education.



WATERING THE LAND
Much of Saudi Arabia's land is scrubby, barren, and unsuitable for growing food. Farmers rely on irrigation to water their fields. Recent projects have been so successful that farmers can now grow melons, tomatoes, wheat, and barley in the desert.

Disk-shaped fields are created by sprinklers that rotate to water the land.

THE BEDOUIN

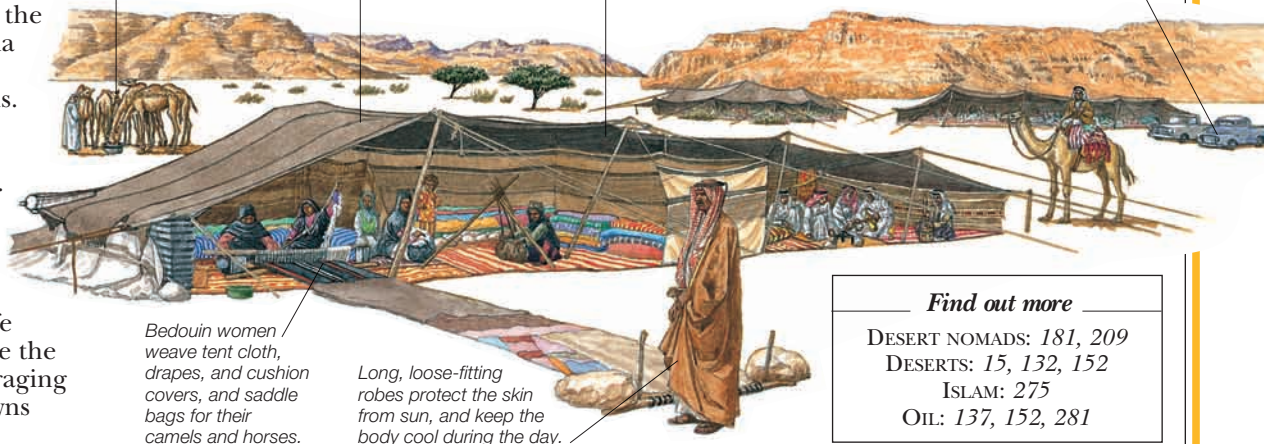
For centuries, Bedouin nomads have roamed the deserts of Saudi Arabia in search of food and water for their animals. Some Bedouin are camel herders; others keep sheep and goats. The Bedouin traditionally live in tents that are light and easy to transport. Today, their way of life is endangered because the government is encouraging people to settle in towns and cities.

Camels are ideally suited to desert life and are highly valued by the Bedouin.

A Bedouin tent is made from long strips of tightly woven goat hair.

The tent is divided into male and female quarters.

Modern Bedouin use cars and trucks for transportation as well as camels and horses.



Bedouin women weave tent cloth, drapes, and cushion covers, and saddle bags for their camels and horses.

Long, loose-fitting robes protect the skin from sun, and keep the body cool during the day.

Find out more

DESERT NOMADS: 181, 209
DESERTS: 15, 132, 152
ISLAM: 275
OIL: 137, 152, 281



KUWAIT

KUWAIT LIES AT THE NORTHERN end of the Persian Gulf. It is a small country, largely covered by sandy desert. Huge oil reserves have made Kuwait rich, and oil refining has become its chief industry. In 1990, at the start of the Gulf War, Kuwait was occupied by Iraq. It was liberated in 1991 by an international force.



POLLUTION
Kuwait suffered badly during its invasion by Iraq. Many of its oil wells were set on fire, causing enormous damage to the economy and the environment. A huge slick of oil spilled into the Gulf, poisoning the water and killing wildlife. Abandoned ammunition and unexploded mines litter the desert, and the cleaning up process continues today.

KUWAIT'S WEALTH

Until the discovery of oil in the 1940s, Kuwait was a poor, underdeveloped country. The wealth gained by selling oil has transformed it into one of the most prosperous nations in the world. Its people enjoy a high standard of living, with free education, free health care and social services, and no income tax.



Kuwait's wealth is reflected in its impressive buildings, such as these water towers that dominate Kuwait's skyline.

KUWAIT	
Capital city: Kuwait	
Area: 6,880 sq miles (17,820 sq km)	
Population: 2,500,000	
Official language: Arabic	
Major religions: Muslim 85%, other 15%	
Government: Absolute monarchy with parliament	
Currency: Kuwaiti dinar	
Adult literacy rate: 83%	
Life expectancy: 77 years	
People per doctor: 526	
Televisions: 491 per 1,000 people	

BAHRAIN	
Capital city: Manama	
Area: 253 sq miles (655 sq km)	
Population: 724,000	
Official language: Arabic	
Major religions: Muslim 99%, other 1%	
Government: Absolute monarchy	
Currency: Bahrain dinar	
Adult literacy rate: 89%	
Life expectancy: 73 years	
People per doctor: 1,000	
Televisions: 472 per 1,000 people	

BAHRAIN

BAHRAIN IS MADE UP OF A SMALL GROUP of islands in the Persian Gulf. Little rain falls, so farming is only possible on irrigated, or watered, land. Bahrain was one of the first Arab states to discover oil in the 1930s. Its oil reserves are now running out.



LINKED ISLANDS

The main island of Bahrain is linked by a series of road causeways to the neighboring islands of Al Muharraaq and Sitrah, and to the Saudi Arabian mainland, with which Bahrain has close relations. Bahrain island is only 30 miles (48 km) long, and the other islands are even smaller.

PEARLING

As Bahrain's oil runs low, traditional industries, such as pearling, are once again growing in importance. The pearl season lasts from June to September. Divers descend on weighted ropes, equipped only with nose plugs, knives, and collecting bags. The most valuable pearls are bright white, tinged with pink.



A pearl taken from an oyster shell

QATAR	
Capital city: Doha	
Area: 4,416 sq miles (11,437 sq km)	
Population: 610,000	
Official language: Arabic	
Major religions: Muslim 95%, other 5%	
Government: Absolute monarchy	
Currency: Qatar riyal	
Adult literacy rate: 82%	
Life expectancy: 75 years	
People per doctor: 769	
Televisions: 404 per 1,000 people	

QATAR

QATAR IS A LONG PENINSULA of land jutting out into the Persian Gulf. It is mainly desert with a hot, dry climate. Oil production and refining form the basis of its economy. The government is trying to encourage the growth of fishing and agriculture to reduce the country's dependence on oil.

An Indian construction worker



WORKERS FROM ABROAD

In the 1940s, the smaller oil states such as Qatar and Kuwait encouraged workers from other parts of the Middle East, India, and Pakistan to work in their rapidly growing oil industries. Their own labor forces were simply too small to cope. Today, these migrant workers outnumber the local Qatari people.

Find out more

- DESERTS: 15, 132, 152
- GULF WAR: 152, 154
- IRRIGATION: 155, 156, 217
- OIL: 137, 152, 281

UNITED ARAB EMIRATES

THE UNITED ARAB EMIRATES (UAE) lies on the southern coast of the Persian Gulf. Three-quarters of this Islamic country is sandy desert, with a hot, dry climate all year round. Only a tiny proportion of the land is suitable for farming and most food has to be imported. Oil was discovered in 1958 and has turned the UAE into one of the world's most prosperous countries, with a high standard of living for most people. There are many huge oil refineries along the coast.



Abu Dhabi

SEVEN STATES

The United Arab Emirates is a federation of seven small states, or emirates, each ruled by an emir, or sheik. The emirs have absolute power over their own states, but they also meet regularly to make decisions affecting the whole federation. Abu Dhabi is the largest of the emirates and its capital is also that of the UAE.

TOURISM

The UAE has a growing tourist industry. Some 2.5 million people arrive each year, mainly from Europe and Japan. Most visit in winter when it is warm, but not too hot. Attractions include luxury hotels and duty-free shops, traditional markets, fine beaches, and trips into the desert.



Al Mamza Beach Park, Dubai



ISLAMIC FESTIVALS

The two most important festivals of the Islamic year are *Id al-Fitr* and *Id al-Adha*. *Id al-Fitr* literally means "the breaking of the fast." It celebrates the end of the holy month of Ramadan, during which Muslims must fast from dawn to dusk. *Id al-Adha* is the festival of sacrifice. Prayers are followed by the sacrifice of a sheep, cow, or camel.

A Muslim family celebrating *Id al-Fitr* (left) The feast consists of typical Middle Eastern foods, such as those shown on the right.

Dates



Apricots and dates are often eaten as appetizers.



Dried apricots



Lentils are used to make soups.



Zucchini is often eaten with a main meat dish.

LOST CITY OF THE SANDS

According to Arabian legend, a magnificent city called Ubar lies buried under the desolate sands of southern Oman. Archeologists have excavated a watering hole and the remains of a city dating from about 3000 BC near the Yemen border. Some experts believe that this is the lost city of Ubar.



FISHING

The Oman coastline is 1,056 miles (1,700 km) long, and fishing is a valuable source of income and food. Omani fishermen catch large amounts of sardines, tuna, anchovies, cod, and cuttlefish. They use traditional dugout canoes equipped with outboard motors for greater speed.



UNITED ARAB EMIRATES

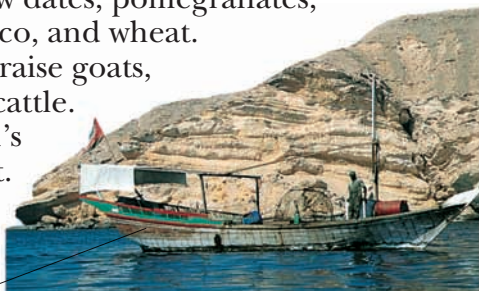
Capital city: Abu Dhabi
Area: 32,000 sq miles (82,880 sq km)
Population: 3,000,000
Official language: Arabic
Major religions: Muslim 96%, other 4%
Government: Federation of monarchies
Currency: UAE dirham
Adult literacy rate: 77%
Life expectancy: 75 years
People per doctor: 556
Televisions: 294 per 1,000 people

OMAN

Capital city: Muscat
Area: 82,030 sq miles (212,460 sq km)
Population: 2,900,000
Official language: Arabic
Major religions: Muslim 90%, other 10%
Government: Absolute monarchy
Currency: Omani rial
Adult literacy rate: 74%
Life expectancy: 74 years
People per doctor: 769
Televisions: 595 per 1,000 people

OMAN

THE SULTANATE (KINGDOM) OF OMAN lies on the southeastern coast of the Arabian Peninsula. Much of the land is desert, dotted with oases, but parts of the coastline are more fertile. Here farmers grow dates, pomegranates, limes, tobacco, and wheat. People also raise goats, sheep, and cattle. Oil is Oman's main export.



Omani fishermen

Find out more

DESERTS: 15, 132, 152
 ISLAM: 275
 OIL: 137, 152, 281
 OIL WEALTH: 137,278



YEMEN

THE COUNTRY OF YEMEN was formed in 1990 when North and South Yemen were reunited. Yemen lies at the southern tip of the Arabian Peninsula. It is more fertile than other Middle Eastern countries, with good farmland in the western highlands where there is regular rainfall. The coast and mountains of the east are hot, dry, and barren. Yemen is a poorer, less developed country than its neighbors. It is hoped that oil reserves, discovered in the 1980s, may help increase its prosperity in the future.



THE PORT OF ADEN

Aden is one of the biggest cities in Yemen and the country's main port. Because of its location on the Gulf of Aden, it has been the region's chief trading city since ancient times. Today, it is an important industrial center, with a huge oil refinery, factories, and an international airport.

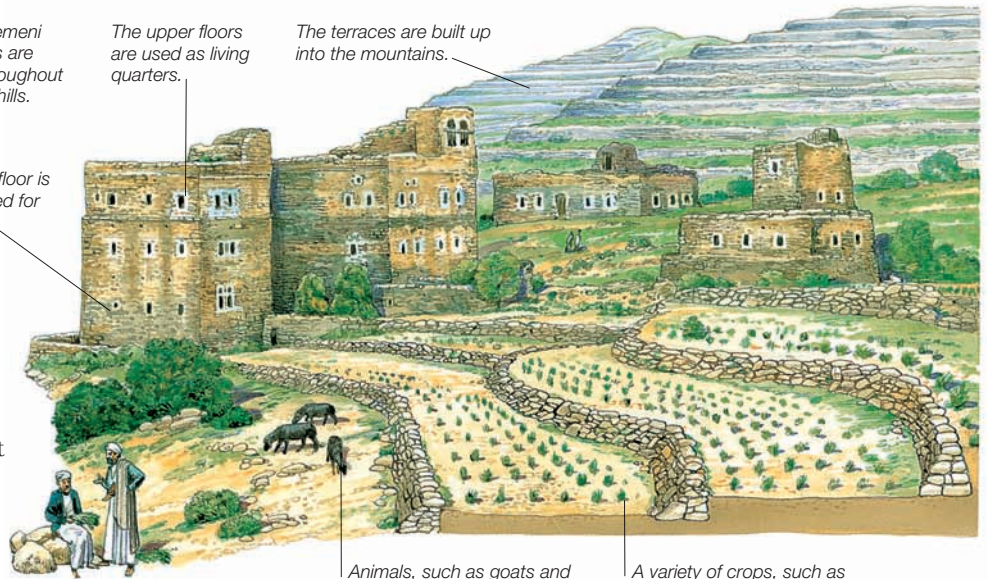
YEMEN	
Capital city:	San'a
Area:	203,850 sq miles (527,970 sq km)
Population:	20,000,000
Official language:	Arabic
Major religions:	Muslim 97%, other 3%
Government:	Multiparty democracy
Currency:	Yemeni rial
Adult literacy rate:	49%
Life expectancy:	57 years
People per doctor:	5,000
Televisions:	29 per 1,000 people

Traditional Yemeni tower houses are scattered throughout the terraced hills.

The upper floors are used as living quarters.

The terraces are built up into the mountains.

The first floor is often used for storage.



Animals, such as goats and sheep, are kept on the ground floor of a house.

A variety of crops, such as coffee and cotton, are grown on the Yemeni terraces.

YEMENI TERRACES

In many places the mountain slopes of Yemen are terraced to provide extra space for crops. Some terraces are more than 1,300 years old. About half of Yemeni workers are farmers. They grow cereal crops, such as wheat and sorghum, along with citrus fruits and dates, and raise sheep, goats, and cattle. Coffee and cotton are grown mainly for export.

Coffee is often served in traditional Bedouin pots.



COFFEE AND QAT

Coffee is thought to have originated as a drink in Yemen, and the country produces some of the world's finest quality beans. Yemen is also famous for a plant called *qat*. Its leaves contain a mild drug and are often chewed. *Qat* parties are an important part of Yemeni social life.



Tribal men often wear a ceremonial dagger, or jambiya, strapped to the waist.

TRIBAL SOCIETY

Most Yemeni people are Muslim Arabs belonging to various tribal groups. Each tribe elects a sheik as its leader and has its own customs, costumes, and folklore. Within a tribe, people live in large, closely knit, extended families. Several generations of the same family usually share the same house. The tribal tradition is particularly strong in northern Yemen.



SAN'A

San'a, the capital of Yemen, is an ancient city famous for its traditional Yemeni-style architecture. In the old city you can still see clusters of 400-year-old multistory mud and brick tower houses, their outer walls often decorated with friezes. An international conservation effort has been launched to protect this unique city and preserve its buildings for the future.

Find out more

ANCIENT SITES: 134

COFFEE: 50, 62, 66

OIL: 137, 152, 281

TERRACE FARMING: 173, 201

CENTRAL ASIA

CENTRAL ASIA LIES FAR FROM the world's oceans. The winds are dry and there is little rainfall, so the area is generally arid. With cold, dry winters, and hot, dry summers, lack of water is a problem for farmers. The north consists of a flat, grass-covered plain, or steppe. In the center of the region are two vast deserts, the Kyzyl Kum ("Red Sands") and the Kara Kum ("Black Sands"). In the south are long chains of snowcapped mountain ranges that join the neighboring Himalayas. The entire region, aside from Afghanistan, used to be part of the Soviet Union. Industrialization and collective farms brought huge changes to a region once occupied mainly by nomads.



INDEPENDENCE

In 1991, the communist state of the Soviet Union fell apart and the central Asian countries became independent. While the countries were under Soviet rule, many Russian people settled there, and Russian replaced the local languages. Today, the peoples of central Asia have reestablished their own languages and national identities.

Nomadic herders in the hills of Afghanistan



Child's hat from Afghanistan



This girl's hat from Uzbekistan is embroidered with gold thread.

A LAND OF MANY PEOPLES

There is a great variety of people living in central Asia. The original inhabitants include the Kazakhs, Turkmens, and Uzbeks, related to the Turks, and the Tajiks and Afghans, related to the Iranians. Each group has its own distinctive style of hat, often woven in silk with brightly colored geometric patterns.



Silver ornaments adorn this Turkmen girl's hat.

NOMADIC LIFESTYLE

Many people living in central Asia are nomads, moving from place to place with their animals in search of new pastures. Nomads live in tents and have few belongings, making traveling easy and quick. They live by herding animals such as camels, goats, and sheep, which give them milk, meat, and wool, some of which they sell, but most of which they use themselves. Nomads mostly stay in the open country, but they visit the towns and cities occasionally to sell their products.

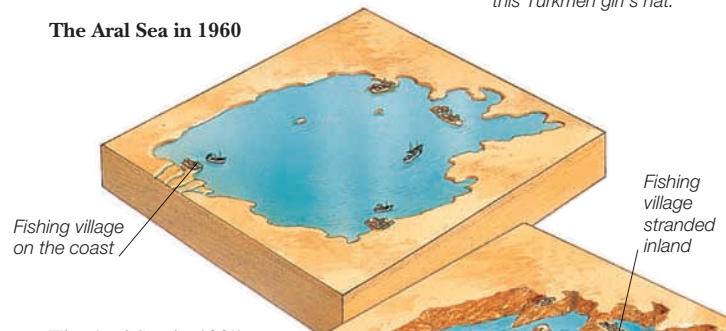
DRILLING FOR OIL

The northern states of central Asia are sitting on huge reserves of oil and gas. Kazakhstan is slowly exploiting one of the world's biggest oil fields under the Caspian Sea, while Turkmenistan is beginning to make use of a vast reservoir of natural gas trapped beneath its land. Exploitation of these riches is hampered by lack of investment and a poorly skilled workforce.



Miners drilling for oil in the Tengiz oil field in Kazakhstan

The Aral Sea in 1960



Fishing village on the coast

Fishing village stranded inland

The Aral Sea in 1995

The lake is about ten per cent of its original size.

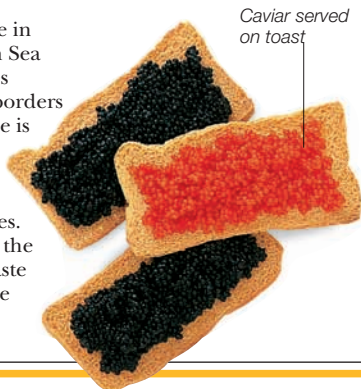
SHRINKING SEA

The Aral Sea, once the fourth largest freshwater lake in the world, is shrinking. Fishing villages that once stood on the sea coast are now stranded inland, depriving villagers of their livelihood. This environmental disaster has been caused by water being drained for irrigation projects from the Amu Darya River, which flows into the Aral Sea. Huge areas of useless land have been laid bare. Wind storms are common, sweeping up polluted dust and dumping it on the surrounding countryside.



CAVIAR

The largest inland lake in the world, the Caspian Sea covers 146,111 sq miles (378,400 sq km) and borders five countries. The lake is home to a variety of fish, such as sturgeon, from which a type of caviar (fish eggs) comes. However, pollution of the waters by industrial waste has led to a drop in the numbers of fish.



ISLAM

Throughout central Asia, Islam is the main religion. It arrived in the region in the early 8th century. While central Asia was part of the Soviet Union, Islam was suppressed. Traditional Muslim wedding ceremonies were forbidden. Throughout this time, however, people continued to worship in secret. With the end of communism, Islam has gained strength in every country.





KAZAKHSTAN

STRETCHING FROM THE Caspian Sea to China, Kazakhstan is a vast country, almost the size of western Europe. It is also one of the most underpopulated countries in the world. With vast mineral reserves, fertile soil, and a stable government, Kazakhstan has the potential to be a wealthy country. However, industrial and agricultural pollution, particularly the use of pesticides and the way in which crops like cotton are grown, have caused considerable environmental problems.



THE VIRGIN LANDS

In the 1950s the Russian government increased grain production by cultivating the vast grassland steppes, or plains, of Kazakhstan. Huge farms were set up to grow corn and wheat on land that had been barren. Millions of Russians migrated or were forced to move to this empty region, known as the “Virgin Lands.” The program met with mixed success. It left Kazakhstan self-sufficient in grain and other crops, but it led to enormous environmental damage.

KAZAKHSTAN	
Capital city:	Astana
Area:	1,049,150 sq miles (2,717,300 sq km)
Population:	15,400,000
Official language:	Kazakh
Major religions:	Muslim 47%, Christian 44%, other 9%
Government:	Democracy
Currency:	Tenge
Adult literacy rate:	99%
Life expectancy:	62 years
People per doctor:	278
Televisions:	231 per 1,000 people

At the processing plant, the coal is cleaned and dried and sorted into different sizes.

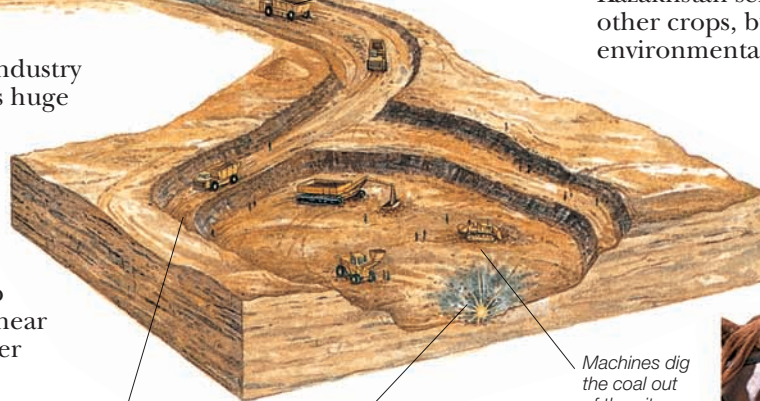


In the filter bed, any remaining pieces of rock and clay are removed.

Trucks transport the extracted coal along a hauling road.

RICH IN MINERALS

Mining is the most important industry in Kazakhstan. The country has huge coal and iron-ore reserves, the world’s largest chrome mine, one of its biggest gold fields, and plentiful supplies of copper, zinc, lead, uranium, and other minerals. Most coal in Kazakhstan comes from strip mines, where coal is extracted near the surface of the ground, rather than from deep mine shafts.



Machines dig the coal out of the pit.

Surface rock is loosened by explosives so that the digging machines can remove the rock and reach the coal.

Steps are cut into the sides of the pit so that the coal can be reached safely.

A government building in Almaty, the former capital of Kazakhstan.



THE CITY OF APPLES

Almaty means “father of apple trees,” and the former capital is known for its apple orchards. The city nestles at the foot of the Tien Shan mountains in the far south of the country. It has many parks and fountains, and narrow canals called *aryks* run along the sides of streets to cool the city during the hot summers. The capital was moved to Astana in the north in 1994.

SPACE RACE

History was made in Kazakhstan in 1957, when the world’s first artificial satellite, *Sputnik I*, was launched from the Baykonur Cosmodrome, or space station, in the center of the country. The first person in space, Yuri Gagarin, was sent into orbit around the Earth from Baykonur in 1961. The site is still used today by the Russian government for its space program.



THE KAZAKHS

Native Kazakhs make up only about 50 percent of the total population of their country and live mainly in the west and south. Many are farmers and have worked hard to preserve the natural beauty of the land, setting up reserves to protect the wildlife and environment. The rest of the population consists mainly of Russians, Germans, and Ukrainians.

Find out more

- CEREALS: 34, 122
- COAL MINING: 96, 114
- POPULATION DENSITY: 135
- STEPPE (GRASSLANDS): 15



UZBEKISTAN	
Capital city:	Tashkent
Area:	172,741 sq miles (447,400 sq km)
Population:	26,100,000
Official language:	Uzbek
Major religions:	Muslim 88%, Christian 9%, other 3%
Government:	Presidential dictatorship
Currency:	Som
Adult literacy rate:	99%
Life expectancy:	67 years
People per doctor:	345
TAJIKISTAN	
Capital city:	Dushanbe
Area:	55,251 sq miles (143,100 sq km)
Population:	6,200,000
Official language:	Tajik
Major religions:	Muslim 85%, other 15%
Government:	Democracy
Currency:	Somoni
Adult literacy rate:	99%
Life expectancy:	70 years
People per doctor:	476

UZBEKISTAN

UZBEKISTAN IS THE MOST DENSELY POPULATED country in central Asia. It also has a varied landscape. While two-thirds of the land is made up of desert and arid steppe land, there are also fertile areas, fast-flowing rivers, and snowy mountaintops. The ancient cities of the Silk Road are beginning to attract ever increasing numbers of tourists, and foreign investors are helping develop the country's huge mineral and energy resources. Uzbekistan is also the world's fifth largest producer of cotton, known locally as "white gold."

ISLAMIC CITIES

The Silk Road is an old trading route that linked China with central Asia, the Middle East, and Europe. Ancient Islamic cities, once major trading centers, are found along its route. These include Samarkand, which contains many fine examples of Islamic architecture, Bukhara, an important place of pilgrimage for Muslims, and Tashkent, the capital of Uzbekistan, known as the "city of fountains."



Registan Square in Samarkand dates back to the 14th century and contains many magnificent Islamic buildings.



NATURAL GAS

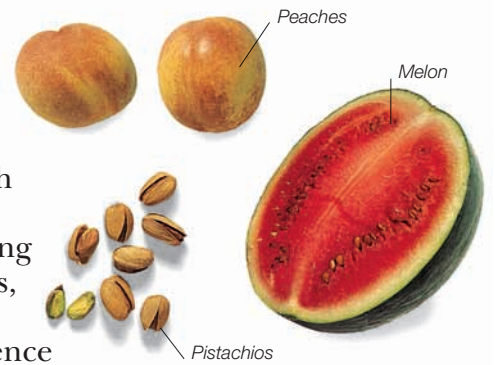
Uzbekistan is rich in natural resources. It has plentiful supplies of oil, natural gas, coal, gold, and uranium. A huge pipeline used for exporting natural gas stretches from Bukhara to the Urals in Russia. Much of the local industry, producing machinery, chemicals, and aircraft, is based on energy from gas.

TAJIKISTAN

THE POOREST OF THE FORMER SOVIET UNION states, Tajikistan is a mountainous country with only about six percent of its land available for farming. Most people work on the land, growing fruit, cotton, and tobacco and herding animals, or work in small factories producing textiles, silk, and carpets. From independence in 1991 until 1997, Tajikistan was split by armed conflict between the government and rebel groups.

PAMIR VALLEY PEOPLES

Less than 100,000 people live in the Pamir mountain region, growing grain and fruit in the deep valleys, or herding sheep and yaks on the bleak high plains in the east. Because of the remoteness of the area and the isolation of the valleys from each other, there is a bewildering variety of peoples, languages, and dialects.



FERTILE VALLEYS

In spring, melted snow from the Tien Shan and Pamir mountains flows down into the Fergana and other river valleys of Tajikistan, bringing with it rich, fertile mud. Irrigation channels direct this water into the surrounding fields, enabling farmers to grow a variety of crops, such as those above.

Find out more

COTTON: 36, 215, 216

GAS: 198, 211

ISLAM: 275

ISLAMIC ARCHITECTURE: 155

In the Pamir mountain region, a different tribal group is found in almost every valley.





TURKMENISTAN

ALMOST 90 PERCENT of Turkmenistan consists of the vast Kara Kum (“Black Sands”) Desert, where temperatures reach more than 122°F (50°C). A fertile strip of land stretches around the southern borders of the desert; here people grow cotton and other crops for export. Since Turkmenistan became independent in 1991, Turkmen has replaced Russian as the state language, and Islam is once again the major religion. The country is poor and isolated from the rest of the world, but possesses huge reserves of natural gas.



ASHGABAT

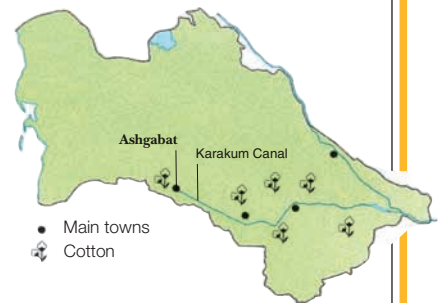
In 1948, the bustling market town of Ashgabat was totally destroyed by a huge earthquake. The town was completely replanned and rebuilt, and is now the capital city of Turkmenistan. Ashgabat is a center for food processing and silk, lace, and carpet manufacturing.

TURKMENISTAN	
Capital city: Ashgabat	
Area: 188,455 sq miles (488,100 sq km)	
Population: 4,900,000	
Official language: Turkmen	
Major religions: Muslim 87%, Christian 11%, other 2%	
Government: Presidential dictatorship	
Currency: Manat	
Adult literacy rate: 98%	
Life expectancy: 65 years	
People per doctor: 382	
KYRGYZSTAN	
Capital city: Bishkek	
Area: 76,640 sq miles (198,500 sq km)	
Population: 5,100,000	
Official language: Kyrgyz, Russian	
Major religions: Muslim 72%, Christian and other 28%	
Government: Democracy	
Currency: Som	
Adult literacy rate: 97%	
Life expectancy: 65 years	
People per doctor: 385	



THE TURKMENS

The Turkmen people live in various parts of central Asia and many follow a nomadic lifestyle. In Turkmenistan, however, many Turkmen have settled as farmers and expert horse breeders. They visit local horse fairs and buy and sell horses for export to neighboring countries. The Turkmen are known for producing prized racehorses, such as the Akhal-Teke, a breed able to move quickly in desert conditions.



KARAKUM CANAL
The world’s longest irrigation canal stretches from the Amu Darya River in the east to beyond Ashgabat in the west, a distance of 683 miles (1,100 km). Known as the “River of Life,” the Karakum Canal provides water for a large area of arid land so that cotton and other crops can be grown.

KYRGYZSTAN

KNOWN AS THE Switzerland of central Asia because of its mountainous landscape, over half of Kyrgyzstan is 8,200 ft (2,500 m) or more above sea level. The snowcapped Tien Shan Mountains dominate the countryside, but the river valleys are fertile and green. Most people are farmers. Animal breeding is particularly important because there is so little land to farm.

The Kyrgyz people practice Islam. They speak a Turkic language and live a nomadic life in the countryside.



THE KYRGYZ PEOPLE

The population is more than half native Kyrgyz. These nomadic people are known for their skilled horsemanship. The largest minority group are Russians, who live in the towns and, until independence in 1991, ran the economy. As a result of rising nationalist feeling among the Kyrgyz, many Russian people have now returned to Russia.



MOUNTAIN RICHES
The mountains of Kyrgyzstan are rich in minerals. Gold and mercury are mined for export, while coal, oil, and gas are exploited for domestic use. The fast-flowing rivers are ideal for generating electricity, and new hydroelectric power plants have been built.

Find out more	
DESERTS:	15, 132, 152
GAS:	163, 198, 211
NOMADS:	160
USSR BREAKUP:	136, 160



AFGHANISTAN	
Capital city:	Kabul
Area:	250,000 sq miles (647,500 sq km)
Population:	23,900,000
Official languages:	Dari (Persian), Pashtu
Major religions:	Muslim 99%, other 1%
Government:	Islamic republic
Currency:	New Afghani
Adult literacy rate:	36%
Life expectancy:	43 years
People per doctor:	10,000
Televisions:	13 per 1,000 people

AFGHANISTAN

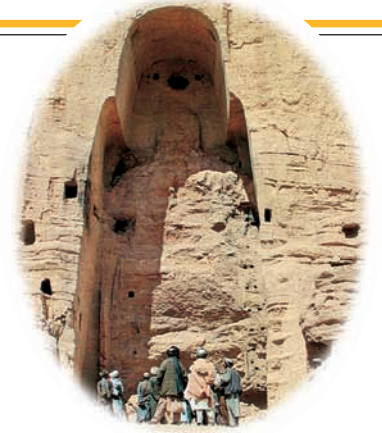
AFGHANISTAN OCCUPIES AN IMPORTANT position between central Asia and the Indian Subcontinent. As a result, the country has been fought over for centuries. It has few paved roads and no railroads, and three-quarters of the land is inaccessible. In 1979 Russian troops occupied the country, though they were forced out by the Islamic *mujahideen*. In 1996 the Taliban took control of Kabul and enforced a strict code of behavior, based on their interpretation of Islam. However, their support for Osama bin Laden, wanted in connection with the destruction of the World Trade Center, led to bombing by the US and victory for the opposition Northern Alliance in 2001.

Some mujahideen groups are based in the hills of Afghanistan. Mujahideen comes from the Arabic word for "fighter."



THE TALIBAN

In Pashtu, an Afghani language, Taliban means "religious student," and it was from religious schools in Pakistan and the south of Afghanistan that the Taliban developed its extreme ideology. The Taliban is an Islamic militia that promised Afghans stability in return for one of the most repressive governments in the world. Its support of terrorist groups led to the US helping the Northern Alliance to overthrow them.



CULTURAL DESTRUCTION

In 2001 the Taliban destroyed two of the world's largest statues of Buddha at Bamiyan. Built in AD 5, the tallest of the statues was over 174 ft (53 m) high. The Taliban justified this act by saying Islam forbids the depiction of the human form in art, but many Islamic nations disagreed with what they had done.

The Turkmen nomads in the north of the country live in reddish-brown, dome-shaped tents.



The Pushtoon nomads of the south live in black tents spread low over the ground.



TENTS

Some Afghans are nomads, or *kochis*, as they are known locally. The different groups can be distinguished by the unique designs of the felt or animal-skin tents they live in, each design having been passed down through countless generations.

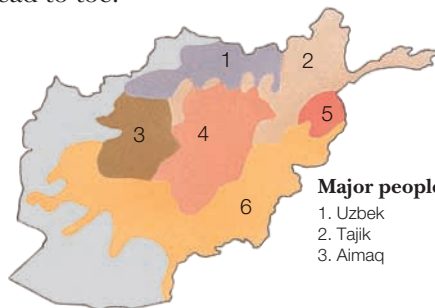


CARPET WEAVING

The Turkmens of northern Afghanistan are skilled carpet makers, hand-knotting and weaving fine wool from the karakul sheep into geometric red, brown, and maroon patterns. The carpets are usually made by women and are used as saddlecloths, tent hangings, and prayer mats.

OPPRESSION OF WOMEN

Under the Taliban, women were denied a full role in Afghan society and were subject to much discrimination. They were not allowed to go to work and girls were banned from school. They were not even allowed to go outside of the home without being accompanied by a male member of their family. When women were permitted outside they had to wear a *burqa* – a traditional Afghani robe that covered them from head to toe.



Major peoples in Afghanistan

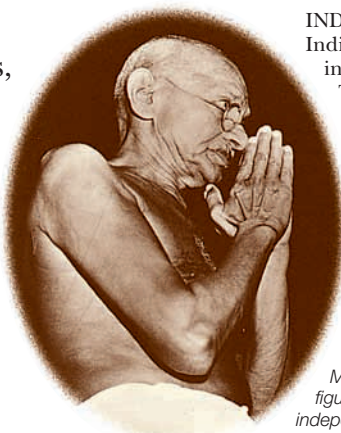
1. Uzbek
2. Tajik
3. Aimaq
4. Hazara
5. Nuristani
6. Pushtoon

Find out more

CARPET MAKING: 144, 155, 210
 ISLAM: 275
 NOMADS: 160
 TENTS: 156, 181

THE INDIAN SUBCONTINENT

FRINGED BY THE INDIAN OCEAN, the Arabian Sea, and the Bay of Bengal, and bordered to the north by the mighty Himalayas, the Indian Subcontinent covers a vast area. More than a fifth of the world's people live here. Dominated by India, the area also includes Pakistan, Bangladesh, Nepal, the island of Sri Lanka, and the tiny state of Bhutan. The Subcontinent has a long and turbulent history and has been invaded many times. In the 19th and early 20th centuries, most of the area, aside from Nepal and Bhutan, was ruled by Britain. The landscape and climate of the Subcontinent vary greatly, with snowcapped mountains in the north, dry, sandy desert in the northwest, and hot, tropical rain forest in the south.



INDEPENDENCE
India became independent in 1947. The country was divided into Hindu India and the new Muslim country of Pakistan, split into West and East. In 1971, East Pakistan became the independent country of Bangladesh.

Mahatma Gandhi, a central figure in India's struggle for independence, believed in using peaceful methods to achieve his country's goals.

Most villagers are farmers, but others follow a vocation, such as weaving or pottery making.

Most village people live in small houses with two or three rooms.

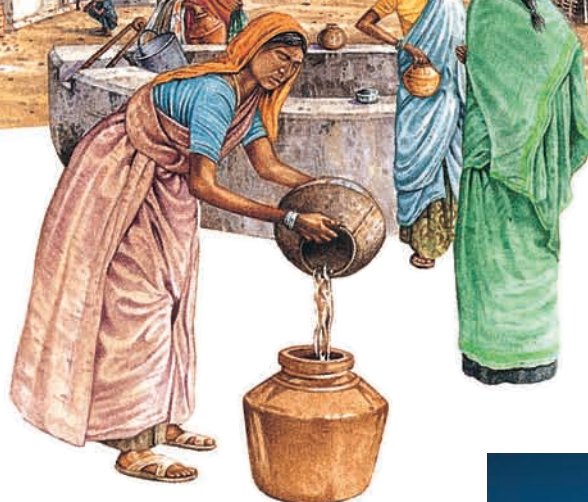


VILLAGE LIFE

Most people in the Subcontinent live in closely knit villages and make a living from farming. In India alone, more than 70 percent of the population lives in some 500,000 villages scattered across the country. Some consist of small clusters of houses, others have thousands of inhabitants. Most families have lived in the same village for many years, passing on their knowledge and skills from one generation to the next.

The houses of many villages are clustered around a village square. Here the village council (Panchayat) will meet to make decisions.

The well is one of the focal points of village life. Women collect water every day and meet to exchange news.



TREKKING IN THE HIMALAYAS

Each year, thousands of tourists travel to Nepal to trek in the mountains. The Nepalese Himalayas include eight peaks more than 26,247 ft (8,000 m) high. The world's tallest mountain, Everest, stands on the border between Nepal and China. Many expeditions are accompanied by Sherpas. These Nepalese people are skilled climbers.

MONSOON



The climate of much of the Subcontinent is dominated by the monsoon winds, which bring rain to the area each summer. Farmers rely on this rainfall to water their crops. If the rains fail, they face ruin. Sometimes the rainfall is very heavy and causes terrible floods. Whole villages and fields of crops may be swept away.

SEASONAL WINDS

These winds blow from the southwest in summer and from the northeast in winter. As the summer winds sweep across the Indian Ocean, they pick up moisture, which turns into rain on reaching the hot, dry land.



Because Bangladesh is flat and low-lying, it is particularly prone to flooding.

 Southwest winds (June to October)
 Northeast winds (November to February)





ENDANGERED WILDLIFE
 The Subcontinent is rich in wildlife, from elephants and rhinoceroses to monkeys and mongooses. Loss of habitat and poaching are serious threats to India's most famous animals, including tigers. Despite the establishment of protected reserves, illegal tiger-hunting continues. Only around 3,000 tigers are left in the wild.



SACRED RIVER

Followers of five of the world's major religions live in the Indian Subcontinent – Hindus, Muslims, Buddhists, Sikhs, and Christians. The majority of people are Hindu and their holiest city is Varanasi, in northern India. The city stands on the banks of the Ganges, the sacred river of the Hindus. Millions of pilgrims come to Varanasi each year to bathe in the river. This is believed to wash away their sins.



PAKISTAN

PAKISTAN WAS CREATED IN 1947 as a home for Muslims in India. The country was originally divided into East and West, but in 1971 East Pakistan broke away to become Bangladesh, and West Pakistan became Pakistan. Today, most people make their living from farming, but industry, especially cotton and textiles, is growing steadily. Handicrafts, such as carpet making and metalwork, are also important. Since Pakistan became independent, it has been in dispute with India over the largely Muslim state of Kashmir, which forms part of India, but is claimed by Pakistan.



PEOPLES OF PAKISTAN

There are many different groups of people living in Pakistan, all of whom have their own distinctive language and culture. The Pathan tribes of the Northwest Frontier are known for their fierce loyalty to family and tribe. The Sindhis (above) are a farming community living in the south of the country with a rich tradition in literature and music. The Punjabis live in the fertile plains of the Punjab.

PAKISTAN	
Capital city:	Islamabad
Area:	310,401 sq miles (803,940 sq km)
Population:	154,000,000
Official language:	Urdu
Major religions:	Muslim 97%, other 3%
Government:	Multi-party democracy
Currency:	Pakistani rupee
Adult literacy rate:	44%
Life expectancy:	64 years
People per doctor:	1,436
Televisions:	88 per 1,000 people

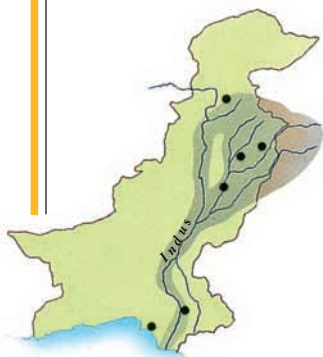


BRIGHT BUSES

Many people in Pakistan travel on the brightly colored buses that run between the towns and cities. The buses often have flowers and patterns painted on them and are decorated with tinsel and lights. Trucks used to transport all kinds of goods are also often highly decorated.

WATERING THE LAND

The flat, fertile plains of the Punjab form the farming heartland of Pakistan. The rich soil is watered by the Indus River, which also provides water for drinking and for electricity. The river has five tributaries, the Jhelum, Chenab, Ravi, Sutlej, and Beas, which give the region its name – Punjab means “five waters.” In other parts of the country, huge irrigation (watering) programs have converted scrubland and semidesert into fertile farmland.



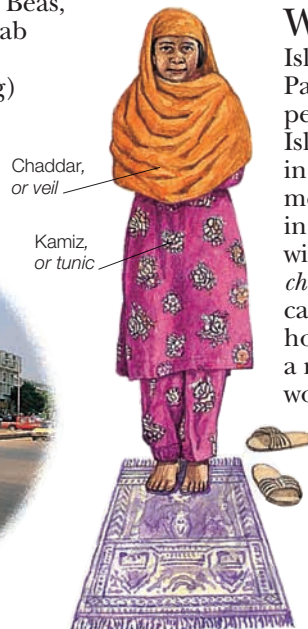
- major cities
- irrigated land

WHERE PEOPLE LIVE

The population of Pakistan is unevenly distributed. More than 80 percent of the people live in the provinces of Punjab and Sind, on the fertile floodplains of the rivers.

ISLAMABAD

About a third of Pakistani people live in cities. The capital is Islamabad (right), a brand new city built in the early 1960s. The name Islamabad means the “place of Islam.” The city is well planned, with lots of open spaces and wide, tree-lined avenues. Karachi is the major port and largest city, with around 10 million people.



WOMEN'S LIFE

Islamic law is very important in Pakistan. It determines how people worship and behave. It is Islamic custom for women to live in *pardah* (behind the veil). This means that when women appear in public, they cover themselves with a *burqa* (hooded gown) or a *chaddar* (veil) to ensure that men cannot see their faces. Traditional households are often divided into a men's section at the front and a women's section at the back.

Find out more

- COTTON: 36, 215, 216
- IRRIGATION: 155, 156, 217
- ISLAM: 275
- RIVER VALLEYS: 135



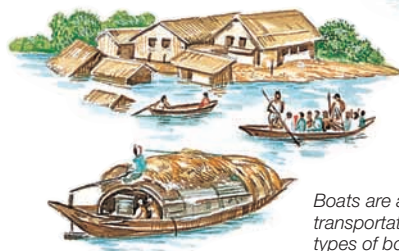
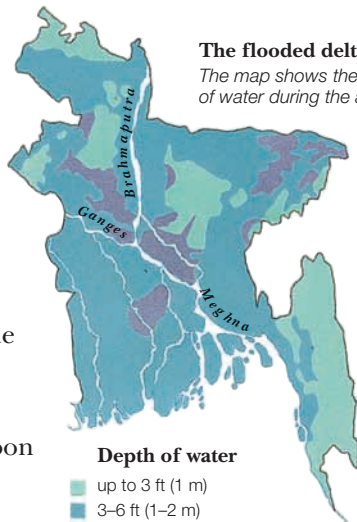
BANGLADESH

IN 1971, EAST PAKISTAN broke away from West Pakistan to become the independent country of Bangladesh. Like Pakistan, it remains a largely Muslim country. The official language is Bengali. Bangladesh is one of the poorest and most crowded countries in the world, suffering from frequent cyclones and floods that cause devastation, especially along the coast. Efforts are being made to control the floods, to slow down the rate of population growth, and to modernize industry and farming.

BANGLADESH	
Capital city:	Dhaka
Area:	55,598 sq miles (144,000 sq km)
Population:	147,000,000
Official language:	Bengali
Major religions:	Muslim 87%, Hindu 12%, other 1%
Government:	Multiparty democracy
Currency:	Taka
Adult literacy rate:	41%
Life expectancy:	62 years
People per doctor:	4,100
Televisions:	6 per 1,000 people

FLOODED LAND

Much of Bangladesh is made up of the delta (mouth) of three major rivers – the Ganges, Brahmaputra, and Meghna. During the monsoon season (June to October) the rivers flood, and huge amounts of rich silt are left behind, making the soil extremely fertile for farming. But the flooding can also cause devastation, killing many people and animals and sweeping away homes and crops. Despite the risks, most Bangladeshis live in tiny villages scattered across the floodplains.



Houses are often raised up on stilts or embankments to protect them from the floods.

Boats are a vital means of transportation. People travel in all types of boat, which are often very crowded. Huge rafts are used to carry jute, bamboo, and other goods.



GROWING JUTE

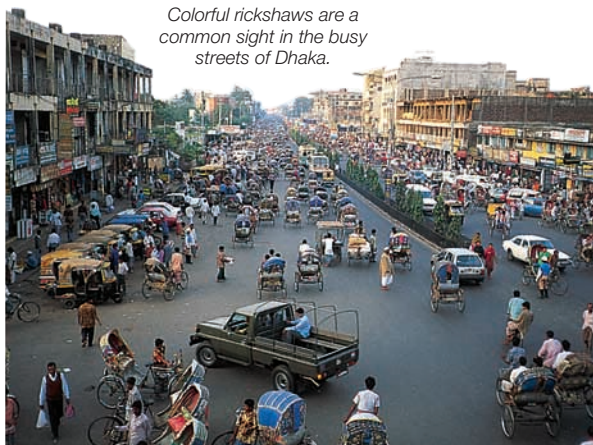
Known to Bangladeshis as “the golden fiber,” jute is a tough, fibrous plant that has proved a valuable source of income for farmers. Jute is used to make sacking, rope, and carpet backing. It has traditionally been Bangladesh’s most important export, but now faces competition from artificial fibers. Rice is a major food crop in Bangladesh, with tea and sugarcane grown for export.

Most Bangladeshi people make their living from fishing and farming. The annual floods provide plenty of fish and keep the land very fertile.



HEALTH CARE

Despite government health care programs, the death rate in Bangladesh is very high, especially among children in remote, rural areas. This is largely due to poor diet and to unclean water, which helps spread diseases such as cholera. Medical teams travel around the country immunizing people from disease and teaching them about diet and birth control.



Colorful rickshaws are a common sight in the busy streets of Dhaka.

LIFE IN THE CITY

Only about a third of Bangladeshis live in cities, mainly in Dhaka, the capital, or the two ports of Chittagong and Khulna. City dwellers can enjoy a higher standard of living than people in the villages, with better homes and facilities such as piped water and electricity supplies. As the cities become more crowded with people looking for work, however, many new arrivals are being forced to live in slums and shantytowns.

Find out more

HEALTH: 276
ISLAM: 275
MONSOON: 166
RIVER VALLEYS: 135



INDIA

THE WORLD'S SEVENTH LARGEST and second most populated country, India is a vast, colorful land, full of variety in religion, language, and culture. Three of the world's major faiths, Hinduism, Buddhism, and Sikhism, originated here. More than 200 languages are spoken, although 40 percent of the population speaks Hindi. Despite much poverty, India is one of the world's top industrialized nations. Both agriculture and industry have expanded during the past 20 years and have attracted investment from international companies. India is also the world's largest democracy. Some 600 million people are eligible to vote.

INDIA	
Capital city:	New Delhi
Area:	1,269,338 sq miles (3,287,590 sq km)
Population:	1,070,000,000
Official languages:	Hindi, English
Major religions:	Hindu 83%, Muslim 11%, Christian 2%, Sikh 2%, other 2%
Government:	Multiparty democracy
Currency:	Rupee
Adult literacy rate:	61%
Life expectancy:	63 years
People per doctor:	1,885
Televisions:	69 per 1,000 people

GREEN REVOLUTION

One of India's most pressing problems has been to produce enough food for its ever-growing population. Today, it is self-sufficient in food. Production of rice and wheat has risen more than 200 percent since independence in 1947. This improvement is partly due to the "Green Revolution" of the 1960s, when farming methods were modernized and higher-yielding varieties of rice and wheat were planted.

These farm workers are winnowing, or sifting, grain after the harvest. Huge amounts of grain are kept in reserve in case the harvest fails.

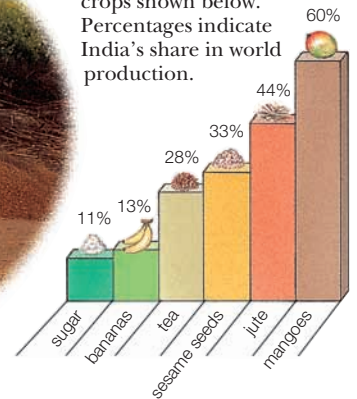


BOLLYWOOD

More films are produced in India than anywhere else in the world, including the US. About 800 full-length feature films are shot each year, mainly in Mumbai (Bombay), nicknamed "Bollywood." Indian films are often packed with songs, dancing, romance, glamorous stars, and nonstop action. Going to the movies is a favorite pastime in India, and many films last for four or five hours.

FOOD PRODUCTION

India is the world's biggest producer of the crops shown below. Percentages indicate India's share in world production.



Cinnamon is used in both sweet and savory dishes.



Garlic is added to many spice mixtures.

Coriander is an essential ingredient in many Indian dishes.



Turmeric is used as a spice and a dye.

INDIAN FOOD

Many Indian people are vegetarians. They do not believe in killing animals to eat. Most Hindus never eat beef because they consider cows to be sacred, and Muslims do not eat pork. Food varies from place to place, but a typical meal might consist of several spicy vegetable dishes, *dhal* (lentils), *dahi* (yogurt), rice or *chappatis* (flat bread), and *poppadums*. The food is flavored with many spices, including turmeric, chili, coriander, cumin, and cardamom.



Rice
Vegetables in a spicy sauce



INDUSTRY

Since independence, industry has expanded in India. Factories produce and process goods such as cars, chemicals, food and beverages, and computers. Jet airplanes and space rockets are now being made. Textiles and leather goods are major exports. Traditionally, much of India's industrial output has come from small, family-run industries producing traditional handicrafts such as brasswork, mirror work, and tie dye.



MODERNIZATION

India's cities are bustling, chaotic places where modern, high-rise office blocks stand next to ancient temples, mosques, and monuments. New Delhi is the capital, but Mumbai (Bombay, left) is the biggest. Bangalore is carving out a reputation as the high-tech capital of India and is home to a growing electronics and telecommunications industry. However, much of India is still underdeveloped and many people live below the poverty line.

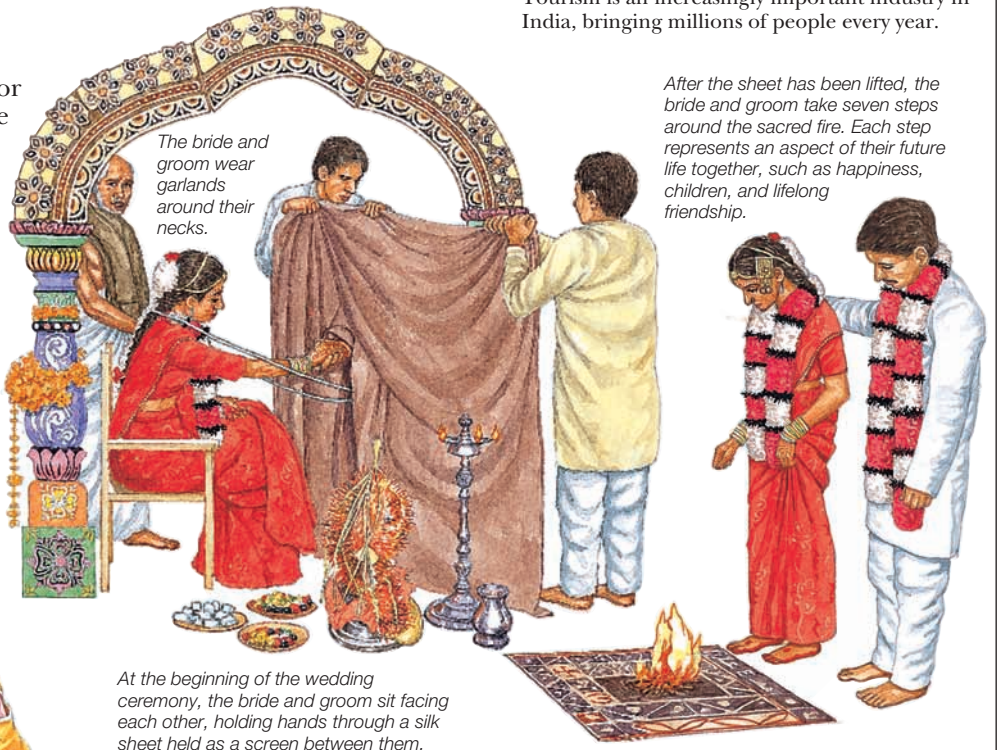


MEMORY IN MARBLE

The Taj Mahal, in Agra, was built in the 17th century by Shah Jahan, one of the Mughal emperors who ruled India from the 16th to the 19th centuries. Built in white marble as a tomb for his beloved wife, it is a fine example of Islamic architecture and attracts many visitors. Tourism is an increasingly important industry in India, bringing millions of people every year.

HINDU WEDDING

Hindu weddings are elaborate affairs, with ceremonies and feasting lasting for several days. Most marriages take place among members of the same *caste*, or social group, and are arranged by the couple's parents. After the wedding, the bride lives with her husband's family. Family life is very important to Hindus. They often live as part of an extended family, with several generations sharing the same house.



The bride and groom wear garlands around their necks.

After the sheet has been lifted, the bride and groom take seven steps around the sacred fire. Each step represents an aspect of their future life together, such as happiness, children, and lifelong friendship.

At the beginning of the wedding ceremony, the bride and groom sit facing each other, holding hands through a silk sheet held as a screen between them.



Traditionally, a Hindu bride wears a red silk sari, embroidered with gold thread, together with special jewelry and makeup. Her hands and feet are decorated with mehndi (henna).

The henna lasts for weeks, reflecting the woman's new status as a wife.

SARI

The traditional dress for Indian women is the sari, a length of brightly colored silk or cotton, some 66 ft (20 m) long, which is wrapped around the body and draped over one shoulder. One end of the sari is left hanging or used to cover the head. Traditional dress for men is a *dhoti*, a length of cotton cloth usually wrapped around the waist and between the legs.



A silk sari



OTHER FAITHS

Most people in India are Hindu, but many other faiths are followed, such as Sikhism and Jainism. Sikhs believe in one god. Their holiest shrine is the Golden Temple, in Amritsar. Male Sikhs wear turbans (left), a symbol of purity. Jainism is similar to Hinduism. Jains have respect for all life, and monks wear masks to prevent insects from entering their mouths.

Find out more

- DEMOCRACY: 270
- GROWING CITIES: 17, 135
- RELIGION: 274-275
- SPICES: 57, 198, 264

SRI LANKA



SRI LANKA
Capital city: Colombo
Area: 25,332 sq miles (65,610 sq km)
Population: 19,100,000
Official language: Sinhala, Tamil
Major religions: Buddhist 69%, Hindu 15%, Christian 8%, Muslim 8%
Government: Multiparty democracy
Currency: Sri Lanka rupee
Adult literacy rate: 92%
Life expectancy: 74 years
People per doctor: 2,319
Televisions: 92 per 1,000 people

SRI LANKA IS A TEARDROP-SHAPED island that lies off the southeastern coast of India. It is known for its tropical, palm-fringed beaches, rugged mountains, and varied wildlife, which attract thousands of tourists. In recent years, Sri Lanka and its tourist industry have been badly hit by fighting between the Sinhalese people and the minority Tamil group, which wants an independent state. Agriculture is important to Sri Lanka. Tea, rubber, and coconuts are grown on large plantations and are the main export crops. Rice is the main food crop.



THE SACRED TOOTH
The most important Buddhist festival in Sri Lanka takes place in Kandy in August. A beautifully decorated elephant parades through the streets, carrying a gold casket containing the sacred tooth of the Buddha. For the rest of the year, the tooth is kept in the Temple of the Tooth. It is said that the tooth was snatched from the Buddha's funeral pyre (fire) in 543 BC.



SAPPHIRE BLUE
Sri Lanka is known for its gemstones, particularly those from Ratnapura, the "City of Gems." Sapphires, rubies, topazes, amethysts, and garnets are all found in the rocks nearby. Many are made into superb jewelry or exported abroad.



Many Tamil women are employed as tea pickers.

THE TAMILS
Tensions between the Sinhalese government and the Tamils erupted into civil war between 1983 and 2002. The Tamils object to the domination of the island by the Sinhalese and are demanding their own independent state in the north. Tamils, who are mostly Hindu, make up about 20 percent of the population. The mainly Buddhist Sinhalese form the majority, accounting for about 75 percent.



BEAUTIFUL BEACHES
Tourism has become one of Sri Lanka's most important industries. The country is well known for its beautiful sandy beaches, especially on the south and southwest coasts, and its Buddhist temples and monuments farther inland, particularly the ancient city of Kandy. However, the effects of the civil war and the Indian Ocean tsunami in 2004 have recently kept tourists away.

Tea seeds are first sown in a nursery bed and then the young plants are transplanted to a field.



TEA GROWING

Tea is grown mainly on large plantations in the central highlands. The cooler climate makes the tea grow slowly, adding to its flavor. Only the youngest, most tender leaves are harvested, and then processed quickly to retain quality. Tea makes up about a third of the island's exports. Recently, the tea industry has suffered fierce competition from countries producing cheaper, lower quality tea.



The tea plants are plucked once a week. Picking is still done by hand since machines would bruise the leaves and spoil their flavor.

When the tea picker's basket is full, it is taken for weighing. The picker is paid by the basket.

The women hang the baskets from their heads, so that both hands are free for picking.



The leaves are then fermented and dried to produce the final product.

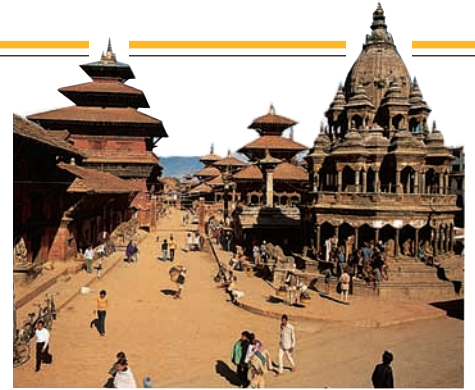
Find out more

- BUDDHISM: 275
- GEMSTONES: 62, 191
- TEA GROWING: 238
- TSUNAMI: 197, 273



NEPAL

THE SMALL, ISOLATED country of Nepal lies in the Himalayan mountains and is landlocked (cut off from the sea). Although it is a Hindu state, many people practice both Hinduism and Buddhism. Democratic elections were held for the first time in 1991, but in 1996 revolutionary communists launched a military campaign to overthrow the government. The king suspended constitutional government and introduced monarchical rule once again, but was finally overthrown by parliament in 2008.



KATHMANDU
Kathmandu is the capital and largest city in Nepal. In the old part of the city there are many narrow streets and squares lined with ancient temples and monuments. In one temple lives the Kumari Devi, or living goddess. She is a young girl chosen to represent the Hindu goddess Parvati until she reaches puberty.

NEPAL	
Capital city: Kathmandu	
Area: 54,363 sq miles (140,800 sq km)	
Population: 25,200,000	
Official language: Nepali	
Major religions: Hindu 90%, Buddhist 5%, Muslim 3%, other 2%	
Government: Democratic republic	
Currency: Nepalese rupee	
Adult literacy rate: 46%	
Life expectancy: 60 years	
People per doctor: 12,500	
Televisions: 6 per 1,000 people	
BHUTAN	
Capital city: Thimpu	
Area: 47,147 sq miles (47,000 sq km)	
Population: 2,300,000	
Official language: Dzongkha	
Major religions: Buddhist 70%, Hindu 24%, other 6%	
Government: Absolute monarchy	
Currency: Ngultrum	
Adult literacy rate: 47%	
Life expectancy: 63 years	
People per doctor: 6,384	
Televisions: 6 per 1,000 people	



MOUNTAIN TERRACES
About 90 percent of Nepalese people work on the land. Crops such as rice are grown on immaculately kept terraces cut into the mountainsides. This allows farmers to grow crops on land that would otherwise be inaccessible. Farmers depend on the monsoon rains for a good harvest.



These Sherpa women are carrying heavy loads as they trek through the mountains.

NEPALESE PEOPLES
There are many different groups of people living in Nepal. The Sherpas of the eastern mountains are known for their climbing skills. The Gurkha people are famous for their courage and military skills. Their reputation has spread all over the world. The Newars of Kathmandu Valley are known for their magnificent wood carvings, which decorate many Nepali temples and houses. More than half of the people are Nepalese, of Indian descent.

Bhutanese people eat yak meat, use yak milk to make butter and cheese, and use yak dung as fuel.



Yak hair is used for tents and clothes, and yak tails are used as fans or dusters.

BHUTAN

THE HIMALAYAN KINGDOM of Bhutan is a mysterious, isolated place because of its location in the mountains and its restrictions on tourism. With limited natural resources, Bhutan has been trying to exploit the fast-flowing mountain rivers to produce hydroelectricity. Bhutan is a Buddhist country, ruled by a monarch, a government, and an assembly.

USEFUL YAKS
For many people living in the mountains of Bhutan, life revolves around their herds of yaks. These tough, hardy animals can carry heavy loads and survive freezing temperatures.

Drukpas speak Dzongkha, the national language of Bhutan, which is closely related to Tibetan.



DRUKPAS
About 70 percent of the Bhutanese are Drukpas of Tibetan origin. Clashes between the Drukpas and the Nepali-speaking Lhotsampa people of the south led to violent demonstrations against the government in 1990. Further immigration into Bhutan is banned.

<i>Find out more</i>	
HIMALAYAS:	132, 166
HINDUISM & BUDDHISM:	275
POLITICAL SYSTEMS:	270–271
TERRACE FARMING:	159, 201

EAST ASIA

EAST ASIA IS DOMINATED by the vast country of China, but it also includes the windswept plains of Mongolia, North and South Korea, and the fertile island of Taiwan. China itself is full of contrasts. In the west, high ranges of mountains tower over rocky valleys and semidesert plains. Tibet, a previously independent country occupied by China since 1950, is known as the “roof of the world” because it is so high above sea level. In the north of the country is the harsh and empty Gobi Desert. In eastern China and North and South Korea, river valleys and flood plains are farmed intensively, providing food for the millions of people who live in the cities on or near the coast.

THE YELLOW RIVER
The Yellow River, or Huang He, is one of the world’s most destructive rivers. It has flooded the surrounding land many times, causing enormous loss of life. For this reason, the river is known as “China’s Sorrow.” As it slowly glides eastward through central China, it erodes huge amounts of fertile loess (fine soil) from the land, which stains the river yellow.



THE GREAT WALL
Snaking across northern China, from the Yellow Sea in the east to the deserts of central Asia in the west, is one of the technological wonders of the ancient world. Much of the Great Wall was built in the 1400s to protect Chinese farmers from invasion by nomads from Mongolia. At almost 4,000 miles (6,400 km) long, it is the world’s longest structure, and is a popular tourist destination.

ANCESTOR WORSHIP
One of the main ideas of Confucianism, the ancient religion of China, is the importance of family loyalties and the honoring of ancestors. Because of this, traditional funerals in East Asia follow a set ritual to ensure that the soul of the dead person is well provided for. At the graveside, mourners make food offerings and burn paper money and paper models of cars, bikes, and other goods to accompany the soul to heaven.

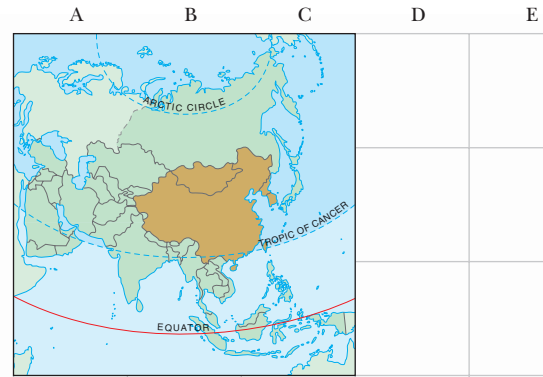
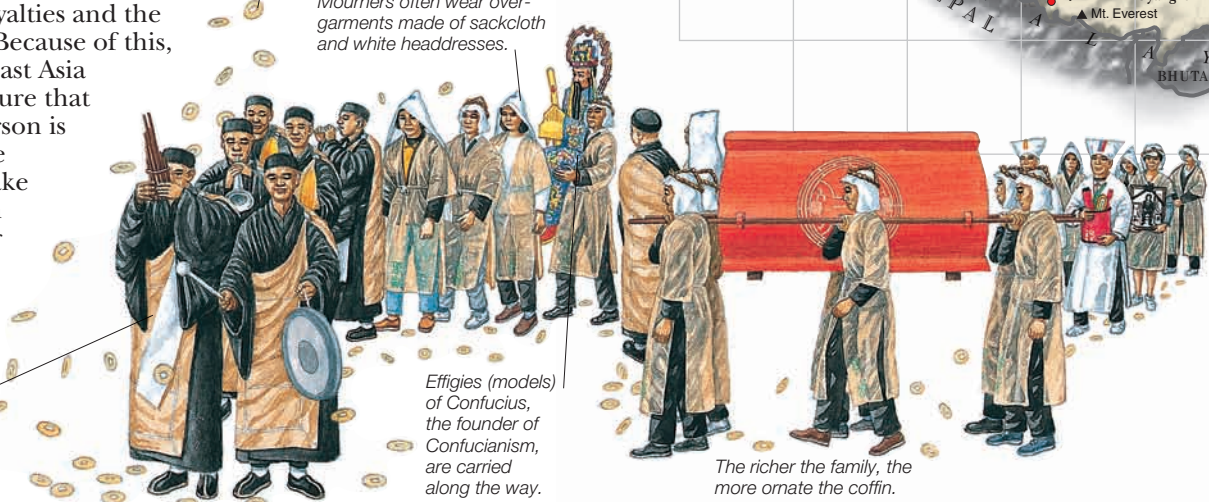
Buddhist priests often lead the funeral procession. They chant prayers and play musical instruments.

People throw paper money to pacify spirits that are thought to haunt the road.

Mourners often wear overgarments made of sackcloth and white headdresses.

Effigies (models) of Confucius, the founder of Confucianism, are carried along the way.

The richer the family, the more ornate the coffin.



Urumqi, China

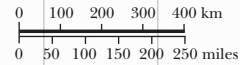
	Jan 3°F (-17°C)
	July 70°F (21°C)
	Jan 0.6 in (15 mm)
	July 0.7 in (18 mm)



F G H I J K L M N O P Q R

THINGS TO LOOK FOR ON THE MAP

- Longest river:** Yangtze, China 3,430 miles (5,520 km) *Map L11*
- Highest point:** Mt. Everest, on border of China/Nepal/Tibet, 29,035 ft (8,850 m) *Map D12*
- Largest lake:** Qinghai Hu, China 1,722 sq miles (4,460 sq km) *Map H9*
- World's largest square:** Tiananmen Square, Beijing, China 4,269,027 sq ft (396,606 sq m) *Map M8*



Beijing, China
 ☀ Jan 24°F (-4°C)
 ☀ July 79°F (26°C)
 ☁ Jan 0.2 in (4 mm)
 ☁ July 9.6 in (243 mm)

Lhasa, China
 ☀ Jan 29°F (-1°C)
 ☀ July 62°F (16°C)
 ☁ Jan 0 in (0 mm)
 ☁ July 4.8 in (122 mm)

Taipei, Taiwan
 ☀ Jan 60°F (16°C)
 ☀ July 84°F (29°C)
 ☁ Jan 3.4 in (86 mm)
 ☁ July 9.1 in (231 mm)



CHINA



CHINA
Capital city: Beijing
Area: 3,705,386 sq miles (9,596,960 sq km)
Population: 1,300,000,000
Official language: Mandarin
Major religions: Traditional religions 20%, Buddhist 6%, Muslim 2%, other 72%
Government: One-party state
Currency: Yuan
Adult literacy rate: 91%
Life expectancy: 71 years
People per doctor: 714
Televisions: 272 per 1,000 people

ONE IN EVERY FIVE PEOPLE in the world live in just one country – China. This vast country is almost the same size as Europe. It is the third largest country in the world after Russia and Canada. It has also one of the world’s oldest civilizations, with a history stretching back more than 7,000 years. Ruled by a succession of emperors, China became a republic in 1911 and a communist state in 1949. Under the communists, every aspect of life is controlled by the state and China has become a major industrial and military power. In recent years it has begun to move toward a more competitive economy that encourages investment from other countries.



THE FORBIDDEN CITY
When the emperor Zhu Di rebuilt China’s capital, Beijing, in the 15th century, he created a vast imperial palace in the center of the city. The palace became known as the Forbidden City because only the emperor’s family and closest advisers could enter it. Encircled by walls, it contains nearly 1,000 buildings, including temples, stables, and a library.

The art of handwriting, or calligraphy, is highly prized in China because great care is required to draw each character correctly.

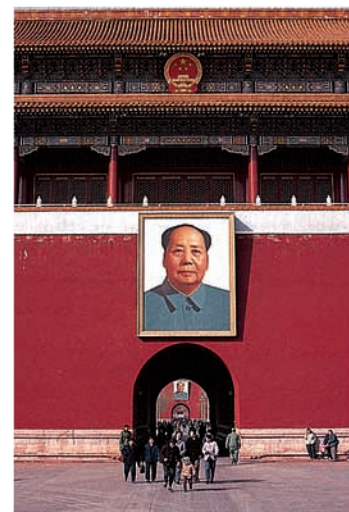


CHINESE WRITING

Unlike English or French, which use an alphabet of 26 letters, Chinese writing uses more than 50,000 characters, or symbols. Each character depicts a different word or idea. Simple words, such as “sky,” or “rain,” use one character. Complex words use two or more – “telephone” uses the characters for “electric” and for “talk.”

CHINESE COMMUNISM

The Communist Party took control of China in 1949. Led by Mao Zedong, the party believed in a society in which everyone would be equal and property would be owned by the whole community. Land was taken from wealthy landowners and given to groups of peasant farmers who worked on large, collective farms. Industry was put under state control. These attempts to transform China met with mixed success. Since Mao’s death in 1976, private ownership has begun to develop again.



Portraits of Mao Zedong still hang in Tiananmen Square in Beijing, the largest public square in the world.

RICE GROWING

Two-thirds of China’s large population lives and works on the land. The most fertile areas are found in the south. The main crop is rice, though tea, cotton, fruit, and vegetables are also grown. The rice is planted in flooded paddy fields (shown below). Two crops of rice and one of vegetables or cereal grains are harvested in a good year. In the north and west of the country, which is drier and hillier, farmers grow a single crop of cereal grains and tend sheep and cattle.

Sowing



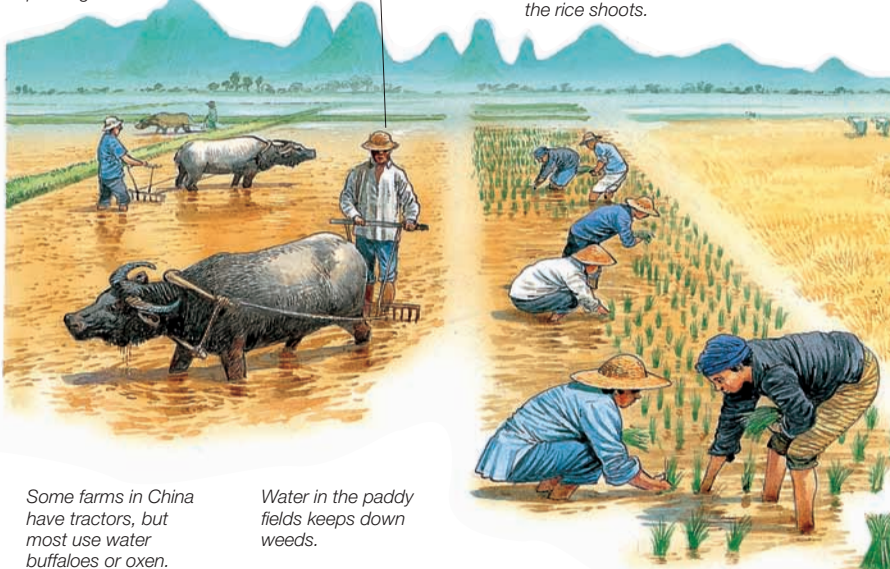
While the paddy fields are being prepared, rice seeds are sown in a separate flooded field, or seedbed.



After a month, the tightly packed rice shoots are ready for transplanting into the paddy fields.

Plowing

Water buffaloes are used to plow, rake, and flatten the muddy paddy fields, ready for planting.



Some farms in China have tractors, but most use water buffaloes or oxen.

Low earth barriers known as bunds separate the paddy fields.

Planting

Women do the back-breaking work of planting the rice shoots.

Water in the paddy fields keeps down weeds.

FOOD

Chinese people take great pleasure in their food, which varies from region to region. Western cuisine from Sichuan province uses spices, while northern cuisine from Beijing is famous for its tasty roast duck. Cantonese food from the south is renowned across the world for its fish dishes and delicate flavors. Meals are cooked by steaming or stir-frying in a large pan called a wok. Rice is served in the south of the country, wheat buns or noodles in the north. The food is held in small bowls and chopsticks are used for eating.



Bean sprouts



Green mung beans are eaten as a dessert or candy.

Native to China, star anise is a spice that has a similar flavor to aniseed.



Ginger root adds a fresh, spicy taste to many dishes in western China.



Chili peppers are added to make hot, spicy dishes.

Rice, whether boiled, steamed, or fried, forms the basis of many Chinese dishes.

China bowl



Tea is served in handleless cups.

Tea, made without milk or sugar, is the most popular drink in China.



Jasmine tea is a light, refreshing drink made from green leaves. Black and Oolong are other types of Chinese tea.

Chopsticks are used for eating.



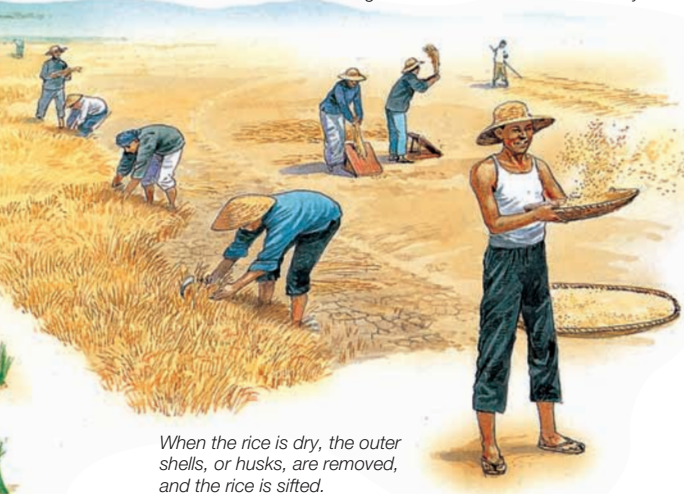
Knives are not needed because food is sliced before cooking.

Harvesting

Farmers cut the stalks with sickles and tie them into bundles.

The rice stalks are beaten to shake off the grain.

Piles of rice grains are left in the sun to dry.



When the rice is dry, the outer shells, or husks, are removed, and the rice is sifted.

CITY LIFE

About 500 million Chinese people live in towns and cities, many of which are overcrowded. Accommodations are scarce, and families usually live in one or two rooms rented from the company they work for. The city streets are full of bicycles, and public transportation, while cheap and frequent, is always packed. The main industrial and commercial city is Shanghai, home to 17 million people and one of the biggest cities in the world.



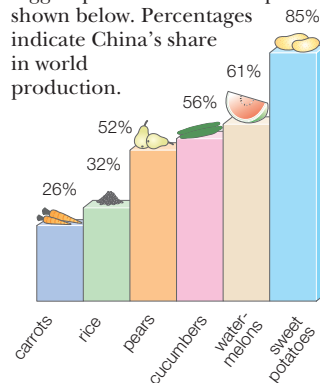
ONE-CHILD FAMILIES

The Chinese population is growing by about 9 million people a year, which is around the total population of Sweden. In order to reduce this rapid growth, the government introduced a policy in 1979 to limit each family to one child only. The single children are known as "Little Emperors" because they are often spoiled. The one-child policy has succeeded in the towns, but not in the country, where large families are needed to provide labor in the fields.



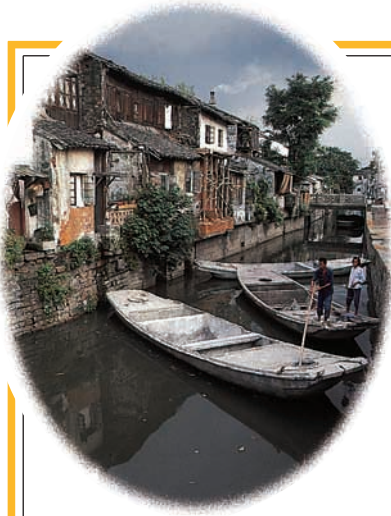
FOOD PRODUCTION

Every patch of fertile soil in China is used for agriculture. Crops are planted alongside roads and railroad tracks, and one type of crop is often planted between rows of another. China is the world's biggest producer of the crops shown below. Percentages indicate China's share in world production.



THE NEW YEAR

Every year, in late January or early February, Chinese people prepare to celebrate the New Year. They spring-clean their houses, put up red decorations to bring them luck, and give new clothes and toys to their children. The New Year festival itself lasts for several days. Every shop and office is closed, and people take to the streets, letting off firecrackers and joining in the displays of lion and dragon dances.



THE GRAND CANAL

The world's longest waterway, the Grand Canal, stretches for 1,110 miles (1,790 km) across China. It was begun in the 5th century BC to connect the cities of the north with the rice growing valleys of the south. Near its southern end, the canal passes through Suzhou, a picturesque city known as the "Venice of the East" because it is crisscrossed by rivers and canals.

LIFE IN THE PARK

Because most city people live in apartments with no yards, parks play an important part in everyone's life. Exercise is encouraged in China, and people go regularly to the park to stay in shape. Early in the morning, many people practice *tai chi* or the more vigorous *kung-fu*. Children fly kites on windy days, and adults play table tennis, cards, or chess, or just sit and chat with their friends.



INDUSTRY

Over the last 20 years China has transformed itself from one of the world's poorest nations into a rapidly expanding economy. It is a leading producer of textiles, clothing, and electronics. Western-style market reforms have led to a surge in growth and the rise of cities such as Shanghai, with its new, futuristic economic quarter, Pudong (pictured). However, in spite of this, much of the population remains very poor.

THE BUDDHISTS OF TIBET

Tibet, once an independent country, has been part of China since 1950. Tibetans are devout Buddhists and their religion has been suppressed by the Communist Party, which discourages any religious practice. However, the Buddhist faith remains strong in Tibet. Buddhists devote their lives to prayer. They hang up flags with prayers printed on them to bring fortune and good luck.

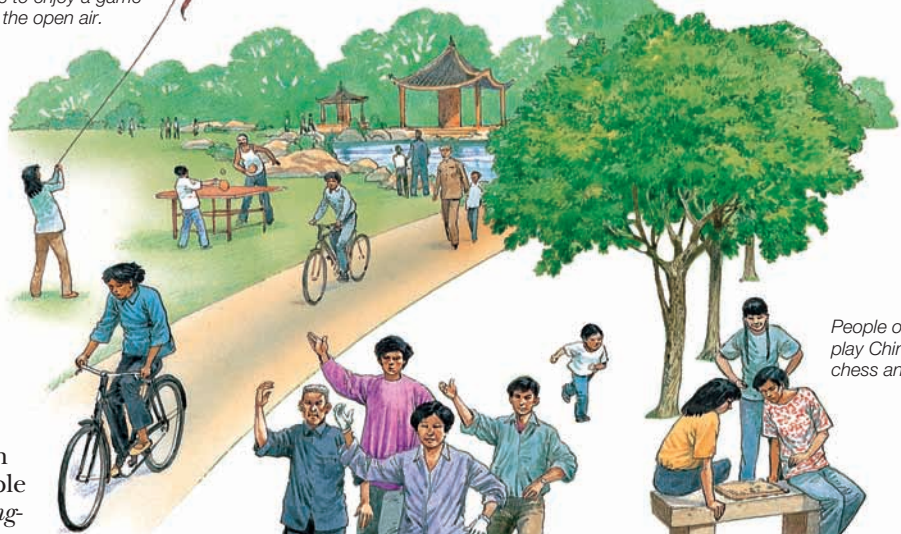


Tibetan Buddhists hang prayer flags from their houses, across bridges, or on mountainsides.

Table tennis is very popular in China; tables are set up in parks for people to enjoy a game out in the open air.



Kites are made by pasting brightly coloured paper on to simple bamboo frames, often in the shape of animals or birds.



Cycling is popular, as a means of transportation and as a way of keeping in shape.

People often play Chinese chess and cards.

Tai chi, a form of gentle exercise with slow movements, resembles shadow boxing.

Chinese parks are beautifully kept and contain rockeries and trees that blossom in the spring.

CHINESE MEDICINE

The Chinese believe that a person becomes sick because the opposing forces of *yin* and *yang* in the body become unbalanced. Doctors rebalance the body with herbal remedies and acupuncture, which involves sticking thin needles into various parts of the body to relieve pain. Many people are treated by "barefoot doctors," or locally trained healers.



Bugbane rhizome (*sheng ma*) is used to treat headaches, colds, and measles.



Wolfberry (*guo qi zi*) is used for diabetes and is said to improve eyesight.



Senn leaf (*fan xie ye*) is a herb used to cleanse the system.



Chain fern bark (*gou ji*) helps ease back pain.



HONG KONG SHANGHAI BANK
In the central business district of Hong Kong stands the impressive Hong Kong Shanghai Bank. This masterpiece of technological engineering was completed in 1985. At every stage of its construction, experts in *feng shui*, the ancient Chinese belief in the natural forces of wind and water, were consulted to ensure that the building would bring health, prosperity, and good fortune to its many occupants.

HONG KONG

Tucked into a corner of southeast China, Hong Kong occupies only a small area, yet almost 6 million people live squashed on its rocky islands and mountainous mainland. It is one of the world's most important financial centers and has one of its most prosperous economies. In 1898, the New Territories of Hong Kong were leased by China to Britain for 99 years. On July 1, 1997, Britain returned the whole of Hong Kong to China.



FLOATING HOMES

Many people in Hong Kong live not on the land but on boats. Families are squashed on to wooden junks and sampans, mostly making their living by fishing. Floating schools, shops, and restaurants serve their needs, while doctors, dentists, and hairdressers do their rounds by boat. Thousands of people still live in these floating villages, but, increasingly, deep-sea trawlers are replacing the traditional boats and forcing the fisherfolk to look for work on land.



HAPPY VALLEY
Surrounded by the towering skyscrapers of Hong Kong, the Happy Valley racecourse is one of Hong Kong's most famous landmarks. Betting money on horse races is hugely popular and is the only legal form of gambling allowed. A season's takings at the race course can amount to over US\$11 billion



TEXTILES
For over one hundred years Hong Kong has had a flourishing textiles industry, exporting its products all over the world. Across Hong Kong, thousands of people are still employed in workshops making T-shirts, suits, and shirts, although there is now fierce competition from countries such as India.

TECHNOLOGY

As traditional industries have declined, Hong Kong's economy has diversified into producing high-tech products such as computers, digital cameras, watches, and cell phones.



digital camera

MACAO

Overshadowed by Hong Kong, its richer and bigger neighbor, Macao consists of a mainland and two islands linked by a bridge and causeway. Macao was returned to China in 1999. When its Portuguese rulers gave up power – after almost 450 years – it was the end of the longest surviving European colony in Asia.



INDUSTRY
Macao produces a variety of goods for export, ranging from textiles and electronic goods to fireworks (shown above) and toys. Every day, low-paid workers from mainland China come to work in the many factories of Macao.



TOURISM

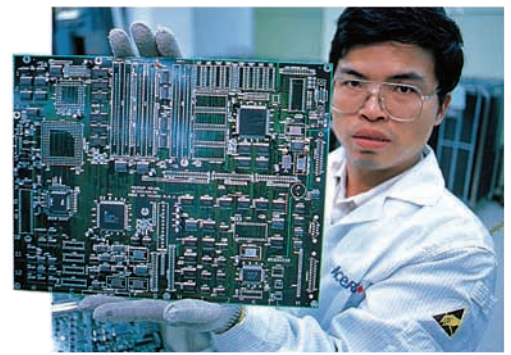
Macao's skyline is dominated by casinos and hotels. The casinos are a big tourist attraction because gambling is very popular with the Chinese and casinos are outlawed in Hong Kong and China. Gambling is a major industry in Macao and provides about one-third of the territory's income.

Find out more

BUDDHISM: 275
POLITICAL SYSTEMS: 270–271
POPULATION GROWTH: 16–17
RICE GROWING: 135, 185, 197

TAIWAN

WHEN PORTUGUESE SAILORS first visited this island in 1590, they named it *Ilha Formosa* – “Beautiful Island” – because of its lush, mountainous scenery. In 1949, at the end of civil war in China, the defeated Nationalist government fled here and established itself as a rival to the communists on the mainland. Taiwan still officially calls itself the Republic of China. Since then, both Taiwan and China have tried to seek international recognition as the official Chinese government. However, few nations recognize Taiwan and it does not have a seat at the United Nations. Despite this, Taiwan has a thriving economy based on mass production and high-tech industries.



INDUSTRY

Once a poor agricultural island, Taiwan has succeeded in developing one of the world’s most successful industrial economies. It is a world exporter of electronic and electrical goods, machinery, textiles, shoes, sports equipment, TV sets, and watches. This huge export trade pays for the oil and other raw materials the economy needs, for Taiwan has few natural resources of its own.

OPERA

Traditional Chinese opera is popular in Taiwan. The basic stories are simple, concerning good against evil, or boy meets girl, and there are few props on stage. Instead, the actor’s movements, elaborate costumes, and facial makeup all convey character and plot.



TRIBAL GROUPS

Long before the Chinese first came to Taiwan, the island was home to a variety of peoples. Each tribe had its own distinct language, but all had many customs and skills in common. In the 1600s, the Chinese came to the island and fought the tribes for control. Today the surviving tribes make up only 2 percent of the total population.



The largest surviving tribe is the Ami, who are expert potters and farmers. The Ami live in large villages, with women holding power in the family home.

TAOISM

The major religions practiced in Taiwan are Buddhism, Taoism, and Confucianism. These faiths are closely linked, and many people follow aspects of all three. Taoism, which began in China around 300 BC, teaches how people can follow the *tao* (path) to a life of simplicity and freedom from desire. Taoists aim to live in harmony with nature, balancing the calm, feminine side of the body (*yin*) with the active, male side (*yang*).



Temples are used as social centers and playgrounds as well as places of worship.



TAIWAN
Capital city: Taipei
Area: 13,892 sq miles (35,980 sq km)
Population: 22,600,000
Official language: Mandarin
Major religions: Buddhist, Confucian, and Taoist 93%, Christian 5%, other 2%
Government: Multiparty democracy
Currency: Taiwan dollar
Adult literacy rate: 96%
Life expectancy: 77 years
People per doctor: 714
Televisions: 237 per 1,000 people

TAIPEI

For most of its history, Taipei has been a city of low-rise buildings. But during the last few decades the city has been transformed into the modern high-tech capital of the island, with many new high-rises, public buildings, and landscaped gardens. Almost 3 million people live in Taipei, and the capital has problems with congestion and pollution. Most people travel to work on motorcycles, contributing to the smog that covers the city for most of the year.



Major tribes in Taiwan

- Tsou
- Paiwan
- Ami
- Atayal
- Bunun



Find out more

GROWTH OF CITIES: 17
 PACIFIC RIM ECONOMIES: 137
 RELIGION: 274–275
 TRADE: 280–281



MONGOLIA

THE REMOTE, SPARSELY POPULATED country of Mongolia was once the center of a vast empire. For most of the 20th century, however, Mongolia was a communist country linked to Soviet Russia until democratic rule was introduced in 1990. Many people live on the grassy plains in the center of the country, tending their flocks as they move in search of new pasture. The climate is harsh – summers are short, winters are long and cold. Mountain ranges ring the country to the north and west, while the south is bordered by the Gobi Desert. The country is rich in natural resources, with huge deposits of coal and oil, but it is only recently that these have been developed.



GENGHIS KHAN
During the 13th century, the Mongol leader Genghis Khan carved out a huge empire that stretched across much of central Asia and China. By the time of his death, it was said that it took almost a year to ride from one side of his empire to the other. His grandson, Kublai Khan, became emperor of China, but the Mongol empire fell apart during the 1300s.

MONGOLIA	
Capital city:	Ulan Bator
Area:	604,247 sq miles (1,565,000 sq km)
Population:	2,600,000
Official language:	Khalkh Mongol
Major religions:	Buddhist 96%, Muslim 4%
Government:	Multiparty democracy
Currency:	Tughrik
Adult literacy rate:	98%
Life expectancy:	65 years
People per doctor:	366
Televisions:	63 per 1,000 people



The framework of a yurt consists of a circular latticework frame with a central ring to support the roof. The frame is covered with felt lashed together with rope.



Smoke from the iron stove escapes through a chimney in the roof of the yurt.

A yurt may have as many as eight layers of felt to keep out the winter cold.

Flaps may be drawn over the single wooden or felt door.

NOMADIC LIFE

The nomadic farmers of Mongolia move with their yaks, sheep, goats, camels, and cattle from the summertime pastures high in the mountains down to the grassy lowland steppes during the winter months. Yaks are ideally suited to the harsh Mongolian climate and provide milk, butter, meat, and wool. As the nomads move with their flocks, they take their portable dome-shaped yurts with them.



HORSE RIDERS

Many Mongols are accomplished horse riders. From a very early age, Mongolian children learn to ride horses, becoming jockeys at the age of as little as three. Every July 11 they get the chance to show off their skills at the Nadam Festival, a nationwide sporting event that includes horse racing, archery, and wrestling competitions.

ULAN BATOR

The capital city of Mongolia lies at the center of road and rail networks in the country. Until the 1920s Ulan Bator was a small country town, but development by its communist rulers has turned it into a major city. The influence of Soviet Russia is reflected in the style of many of the city's major buildings.



Traditional wooden Mongolian fiddle

The scroll is carved in the shape of a horse's head.

Bow

MAKING MUSIC
Mongol nomads like to entertain themselves in the evening with music. Stringed instruments, such as the Mongolian fiddle, are popular.

Find out more

- NOMADS: 156, 160, 209
- POLITICAL SYSTEMS: 270–271
- STEPPE (GRASSLANDS): 15
- YAKS: 173



NORTH KOREA

WITH ITS RUGGED, HILLY INTERIOR and limited fertile land, North Korea is a harsh country. Winds from central Asia produce extreme winter temperatures, and snow covers the ground for many months. Politically, North Korea is equally harsh. The communist government maintains a tight grip on its people. It limits contact with the outside world and forbids all foreign newspapers. Its health and education services have been badly affected by a lack of money, and many people face starvation every year. Recently there have been attempts to break the country's long isolation.

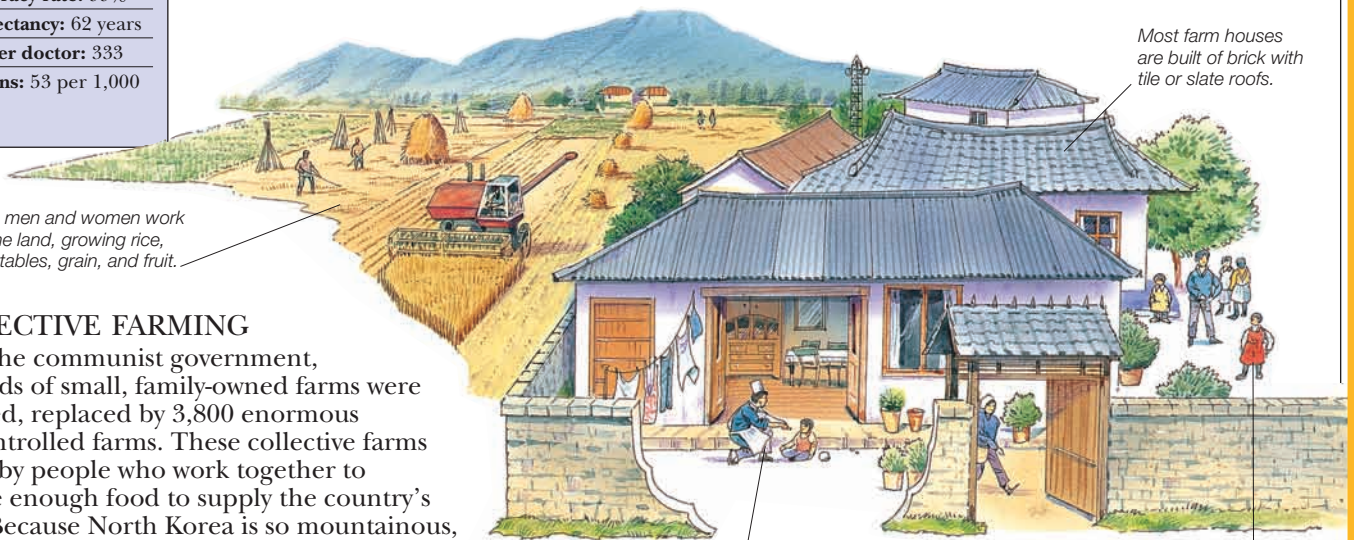


A DIVIDED LAND

At the end of World War II, Korea was occupied by Russian and American armies. In 1948, the country was divided in two. A communist government ruled the North and an American-backed, democratic government ruled the South. Today, the two sides face each other along one of the most heavily armed borders in the world.

NORTH KOREA
Capital city: Pyongyang
Area: 46,540 sq miles (120,540 sq km)
Population: 22,700,000
Official language: Korean
Major religion: No figures available
Government: One-party state
Currency: North Korean won
Adult literacy rate: 99%
Life expectancy: 62 years
People per doctor: 333
Televisions: 53 per 1,000 people

Both men and women work on the land, growing rice, vegetables, grain, and fruit.



Most farm houses are built of brick with tile or slate roofs.

COLLECTIVE FARMING

Under the communist government, thousands of small, family-owned farms were abolished, replaced by 3,800 enormous state-controlled farms. These collective farms are run by people who work together to produce enough food to supply the country's needs. Because North Korea is so mountainous, every piece of available land is farmed intensively, with irrigation (watering) systems, advanced machinery, and fertilizers used to improve the annual harvest.

Health services are free for everyone, with doctors and nurses employed on each collective farm.

Every farm has its own day-care center and nursery school for babies and young children whose parents work on the land.

KOREAN FOOD

In North and South Korea, a whole meal is served at once, rather than in separate courses. Rice is always the main dish, often combined with barley and red beans and eaten with a range of spicy vegetables, herbs, and meats. Steamed rice cakes are prepared for important celebrations.

Kimchi, made from pickled cabbage and radishes mixed with garlic, salt, red pepper, and other spices, is a popular dish.



In jeolme, a type of rice cake powdered with soy flour, is served as a dessert.



Ginseng is exported around the world.

GINSENG

The root of the ginseng plant is grown in both North and South Korea. It is believed to promote good health and energy. After being washed, steamed, and dried, it can be ground into pills or made into lotion.



KIM IL SUNG

Kim Il Sung, dominated North Korea from 1948 until his death in 1994. He established an image as the father of working people. His portrait was hung in every office and huge statues were erected to him in public places. Under his rule, North Korea became increasingly isolated politically and economically from the rest of the world. He was succeeded by his son, Kim Jong Il, but is still referred to as the "eternal president."

Find out more

- FARM "SHARING": 115, 140, 150
- HEALTH, EDUCATION: 276, 277
- IRRIGATION: 155, 156, 217
- POLITICAL SYSTEMS: 270-271



SOUTH KOREA	
Capital city:	Seoul
Area:	38,023 sq miles (98,480 sq km)
Population:	47,700,000
Official language:	Korean
Major religions:	Christian 49%, Buddhist 47%, Confucianist 3%, other 1%
Government:	Multiparty democracy
Currency:	South Korean won
Adult literacy rate:	98%
Life expectancy:	74 years
People per doctor:	714

SOUTH KOREA

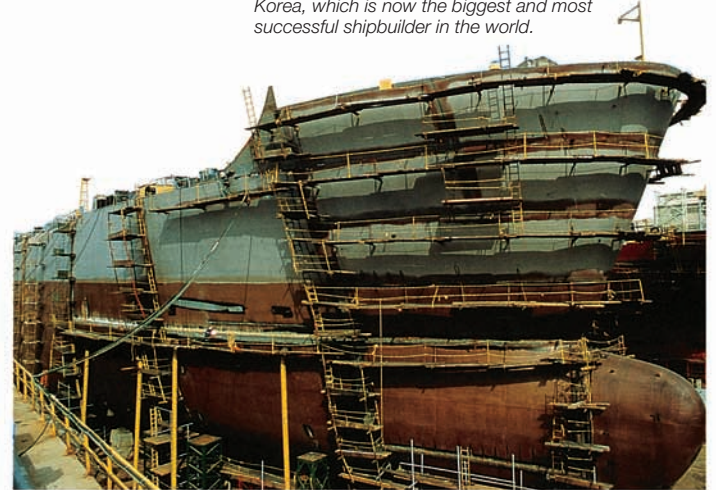
LIKE NORTH KOREA, much of South Korea is mountainous and forested. Compared with its northern neighbor, however, it has a strong economy that trades with many other countries, such as Japan and the US. After becoming independent in 1948, South Korea was invaded by North Korea. By the end of the Korean War (1950–53), the cities and factories of South Korea were devastated and thousands of refugees had arrived in the country from the North. Within 20 years, a remarkable turnaround had taken place. New factories began to produce world-class products, and new cities sprang up. Today, South Korea has a well-educated workforce producing high-technology goods for export.



SEOUL

More than 21 million people live in and around the capital Seoul. Most of this modern city has been built in the decades since the end of the Korean War. As people have moved here from the countryside, the city has become crowded. To cope with this, Seoul has an excellent public transportation system, linking buses, trains, boats, and planes into one collective schedule.

Shipbuilding has expanded rapidly in South Korea, which is now the biggest and most successful shipbuilder in the world.



A Korean shaman is usually a woman, called a mundang.

People bring offerings of money and food to the mundang.

Burned offerings are made to pacify the spirits.

SHAMANISM

People in South Korea belong to a number of religions. About half are Buddhists, the rest are Christian or Confucianist. Many people in rural areas still believe in shamanism – that an invisible spirit world lives alongside the visible human world. When the spirits interfere in the lives of humans, a shaman (priest) acts as a link between the two worlds.

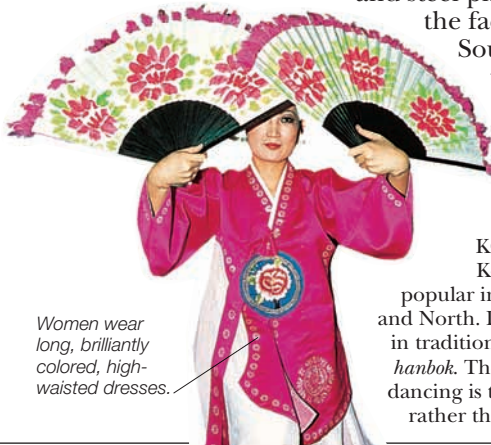
Aside from obtaining blessings from spirits, a mundang will try to cure people's diseases and help with personal problems.



The traditional Korean fan dance is performed by women only. As the women dance, they move faster and faster around each other while making patterns with their fans.

FARMING

Unlike North Korea, most farms in South Korea are small and family owned. Rice is the main crop, but barley, wheat, fruit, vegetables, and spices are also grown. Because much of the land is mountainous, farms can be found clustered along the river valleys and lowlands near the coast.



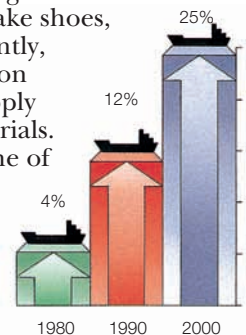
Women wear long, brilliantly colored, high-waisted dresses.

INDUSTRY

After the devastation of the Korean War, South Korea had to rebuild its industry from scratch. It concentrated on producing and exporting manufactured goods, setting up huge industrial companies, known as *chaebol*, to make shoes, clothes, ships, cars, and more recently, computers and video sets. Large iron and steel plants were built to supply the factories with raw materials.

South Korea now has one of the most successful economies in the world.

Figures show South Korea's share in world production.



Ship production in South Korea

KOREAN DANCE

Korean dancing is popular in both the South and North. Dancers dress up in traditional clothes called *hanbok*. The goal of Korean dancing is to create a mood rather than to tell a story.

Find out more

PACIFIC RIM ECONOMIES: 137
 POLITICAL SYSTEMS: 270–271
 RELIGION: 274–275
 TRADE: 280–281

JAPAN

JAPAN IS A CHAIN OF SOME 4,000 ISLANDS stretching for more than 1,553 miles (2,500 km) off the east coast of mainland Asia. Most people live on the four largest islands – Honshu, Hokkaido, Shikoku, and Kyushu. Flat land is in short supply. More than three-quarters of the country is hilly, leaving less than a quarter suitable for building and farming. To create more level ground, hillsides are being cut back and land is being reclaimed from the sea.

Japan's climate is a varied one. The islands in the south are warm all year round, while in the north it is cooler, with snowfall on the mountains in winter. The Japanese call their country *Nippon*, "the land of the rising Sun," since the Sun can be seen rising above the Pacific Ocean.

THE EMPEROR

Japan has the oldest hereditary monarchy in the world, dating back to before the 6th century. In the past, the emperor was very powerful and many Japanese people believed he was a god. But the emperor's status changed after Japan's defeat in World War II, and his role was reduced to a symbolic one.

The present emperor, Akihito, is the 125th in the imperial line. He is highly respected by Japanese people, but he has no political power.



Mount Fuji is a huge, cone-shaped volcano. It last erupted in 1707.



ISLAND LINKS

Travel between the islands is made easier by a network of bridges and tunnels linking them together. The Seto Ohashi Bridge (above) connects several of the smaller islands. The Akashi Kaikyo Road Bridge, linking Honshu and Shikoku, opened in 1998. It is the world's longest suspension bridge, with an overall span of 6,529 ft (1,990 m).

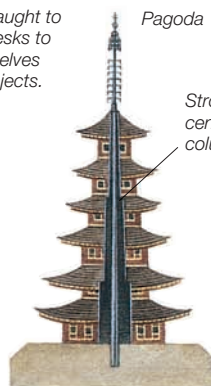
SACRED MOUNTAIN

At 12,388 ft (3,776 m), Mount Fuji, on Honshu, is Japan's highest mountain. For the followers of Shinto, one of Japan's major religions, Mount Fuji is a sacred mountain. Each year, thousands of pilgrims make the long climb to visit the Shinto shrine on the summit. Many Japanese consider Mount Fuji to be a symbol of their country and keep a photograph or painting of the mountain on display in their homes.

UNSTABLE LAND

Japan suffers from hundreds of earthquakes a year. Slight shakes are recorded almost every day, while larger tremors causing minor damage can be felt several times a year. Strong earthquakes occur more rarely, causing damage, injury, and death. Buildings and bridges topple, roads and railroads are destroyed, and devastating fires break out. In 1995, a massive earthquake struck the port of Kobe and killed more than 5,000 people. Regular earthquake drills are held in schools, homes, and workplaces.

Children are taught to duck under desks to protect themselves from falling objects.



Pagoda

Strong central column



Modern skyscraper

BUILT TO LAST

Both new and old buildings in Japan have been designed with earthquakes in mind. A pagoda has a strong central column sunk into the ground to give it added stability. A modern skyscraper has a regular shape and thick walls reinforced by steel columns, which help make the building more secure.

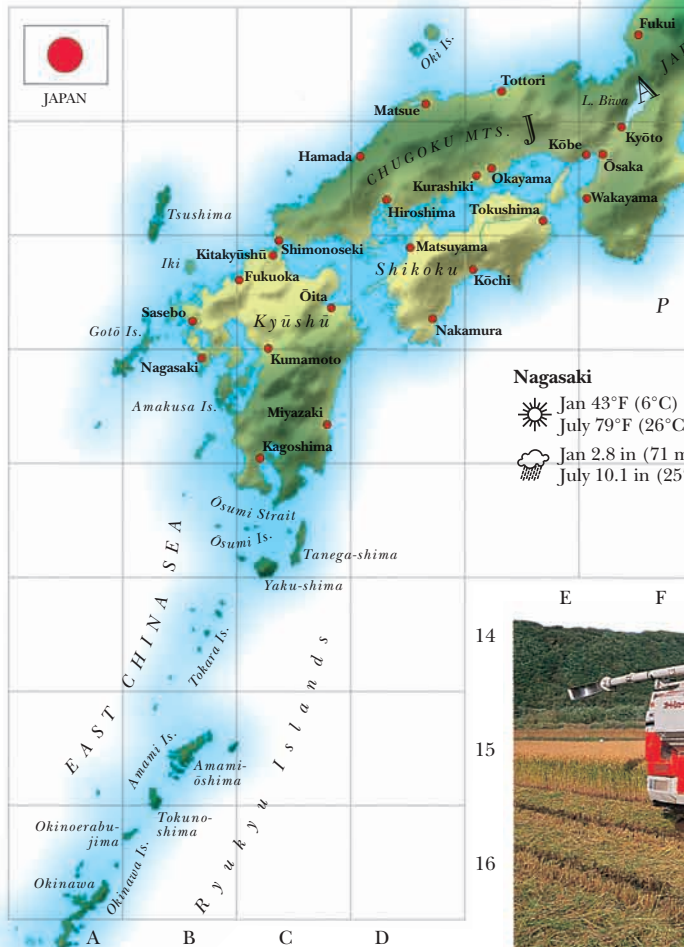
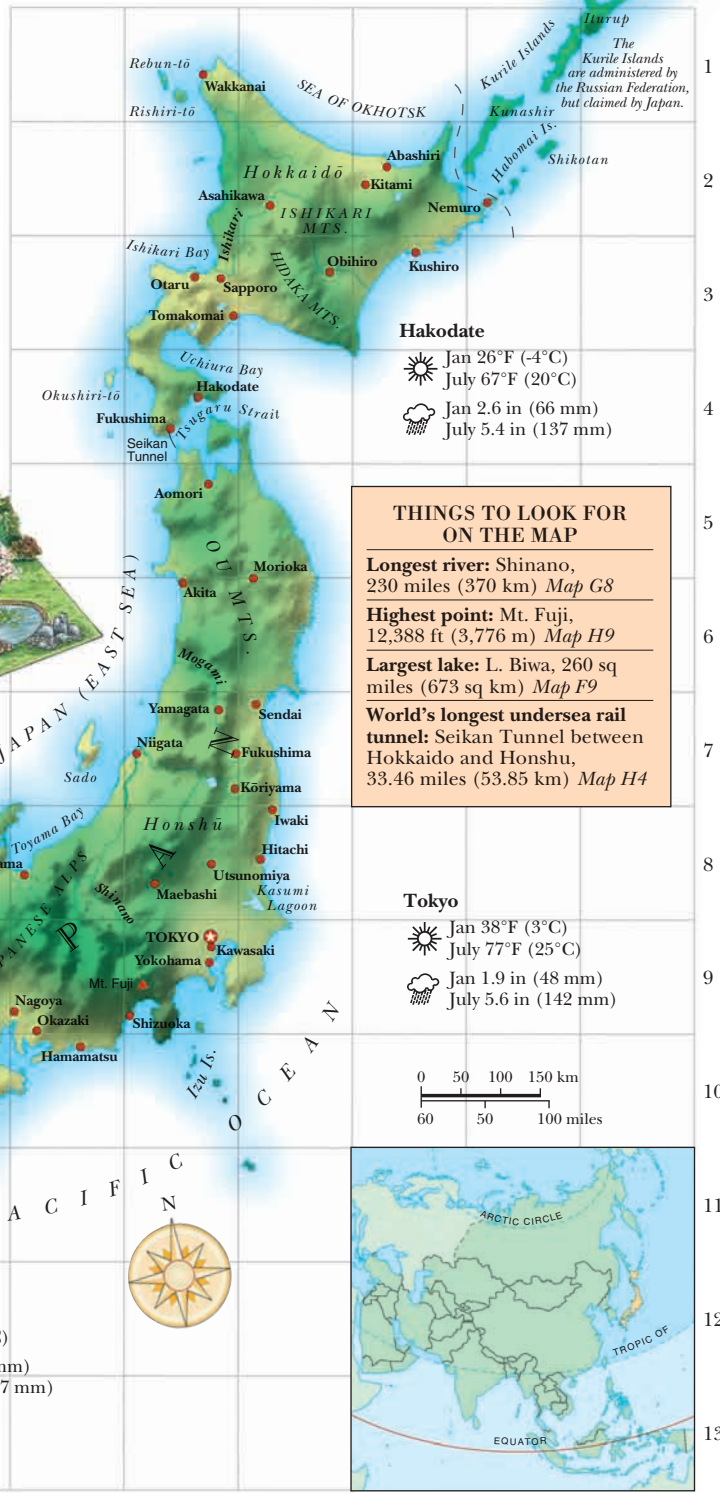
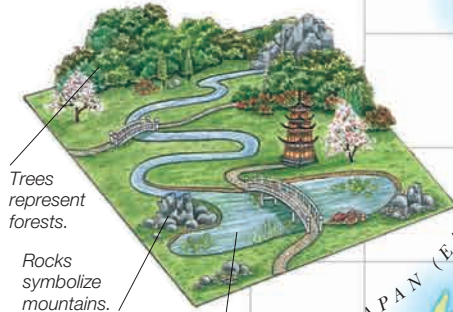
Skyscrapers are often built on pads made of steel and rubber that absorb earthquake tremors.



PEACEFUL PLACES

Japanese gardens are carefully designed places of peace and beauty. They contain sand, rocks and pebbles, trees, ponds, and streams. The elements are arranged in a particular way to create a balanced, harmonious setting in which people can relax and meditate. Many gardens are influenced by Zen Buddhism, a branch of Buddhism that emphasizes the need for meditation.

A Japanese garden represents the world in a miniature form.



RICE GROWING
 Although only about a tenth of the land is suitable for farming, Japan has traditionally produced all the rice it needs. Rice is Japan's main food crop, and it is eaten almost every day. It is intensively cultivated on small farms, using sophisticated farm machinery such as rice planters and harvesters. The work is done very quickly, so fewer workers are needed, and farmers often have a second job.

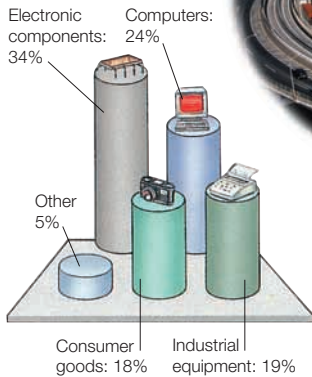
JAPAN

FOR MANY CENTURIES, Japan was closed to foreigners and wary of the outside world. Today, it is a leading industrial and technological power and one of the world's richest countries. This transformation is even more remarkable given Japan's mountainous landscape and lack of natural resources. Most raw materials have to be imported from abroad. Japanese people enjoy a high standard of living, with good health care and education systems. Average life expectancy in Japan is among the highest in the world. Western influence is strong, but people remain proud of their culture and traditions.



JAPAN	
Capital city:	Tokyo
Area:	145,882 sq miles (377,835 sq km)
Population:	128,000,000
Official language:	Japanese
Major religions:	Shinto and Buddhist 92%, other 8%
Government:	Multiparty democracy
Currency:	Yen
Adult literacy rate:	99%
Life expectancy:	82 years
People per doctor:	496
Televisions:	707 per 1,000 people

Electronic goods produced in Japan



The Japanese excel at making electronic goods, such as televisions, cameras, digital watches, and computers, that are sold worldwide. Many Japanese companies are world leaders in the research and development of new technology.



The Rainbow Bridge connects the port with the city.

ECONOMIC STRENGTH

Japan has a highly developed infrastructure and industrial base. One of the main reasons why the country's industries have grown so quickly is that the Japanese are very hardworking. Many of the larger companies are like families, providing housing and health care for their employees. However, society is slowly changing. Young people are starting to question this working culture, especially as the economy began to slow down in the 1990s and unemployment rose.

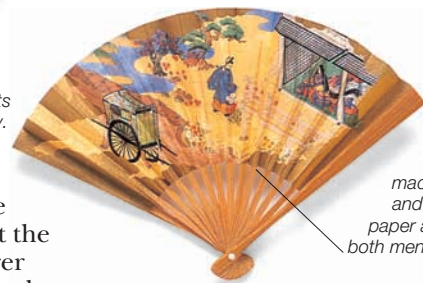


CHERRY BLOSSOM Japanese people share a love of nature and pay close attention to the changing seasons. The blossoming of cherry trees is a reminder that spring has arrived. The first blossoms appear in southern Kyushu. Their progress is plotted on maps shown on television news. The blossoms last for a few days, and people celebrate by picnicking under the cherry trees.



MAKING MONEY

Japan is a huge economic power. It invests in land and property around the world, and many of the world's largest commercial banks are Japanese. Japan's economic and industrial heart is the capital, Tokyo. The world's second largest stock exchange and the headquarters of many banks and corporations can be found in Tokyo's Central Business District. It is said that if an earthquake hit this area, the world would suffer economic chaos.



Traditional folding fans made of bamboo and covered with paper are carried by both men and women.

TRADITIONAL DRESS

People in Japan wear kimonos for religious festivals and other special occasions. A kimono (which means "clothing") is a long-sleeved, wrap-around robe, tied with a broad sash. It may be made of silk, cotton, or wool. Many formal silk kimonos are richly colored and beautifully embroidered.



Black silk kimono



Wooden clogs, or geta

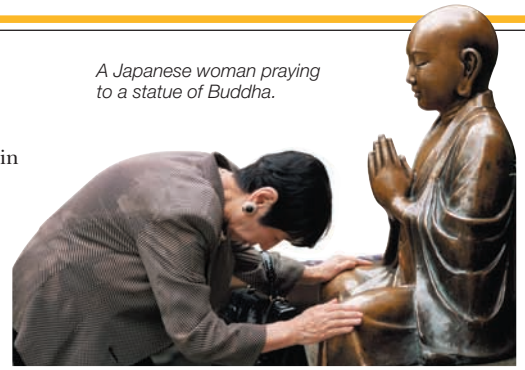


OVERCROWDING

With a large population and a lack of flat land for settlement, Japan is a crowded country. Land is expensive, especially in the cities, and many people commute long distances to work. During rush hour, subway trains are so crowded that guards have to push commuters on board. The uncomfortable journeys that people endure inspired Japanese technicians to invent personal stereos so people could listen to music while traveling.

RELIGION
Shinto and Buddhism, the two major religions of Japan, have always existed side by side and even merge together to a certain extent. Most Japanese people consider themselves Buddhist, Shintoist, or Shinto-Buddhist. There is also a significant Christian community, making it the third most popular religion in Japan.

A Japanese woman praying to a statue of Buddha.



FESTIVALS

There are plenty of festivals in Japan, each with their own emphasis and tradition. The parade shown here is from the Hakata Dontaku Festival in Kyushu, which is steeped in over 820 years of history. In the festival, Fukujin, Ebisu, and Daikoku, the three gods of good fortune, make the rounds of the city.



CHILDREN'S LIVES
Children are well taken care of in Japan. There is even a national holiday, Children's Day, dedicated to them. In another festival, "seven-five-three day," children are dressed in traditional clothing and taken to religious shrines. Japanese children are expected to study hard at school. In addition to a long school day, many pupils attend extra classes on Saturdays and in the evenings.

FISHING FOR FOOD

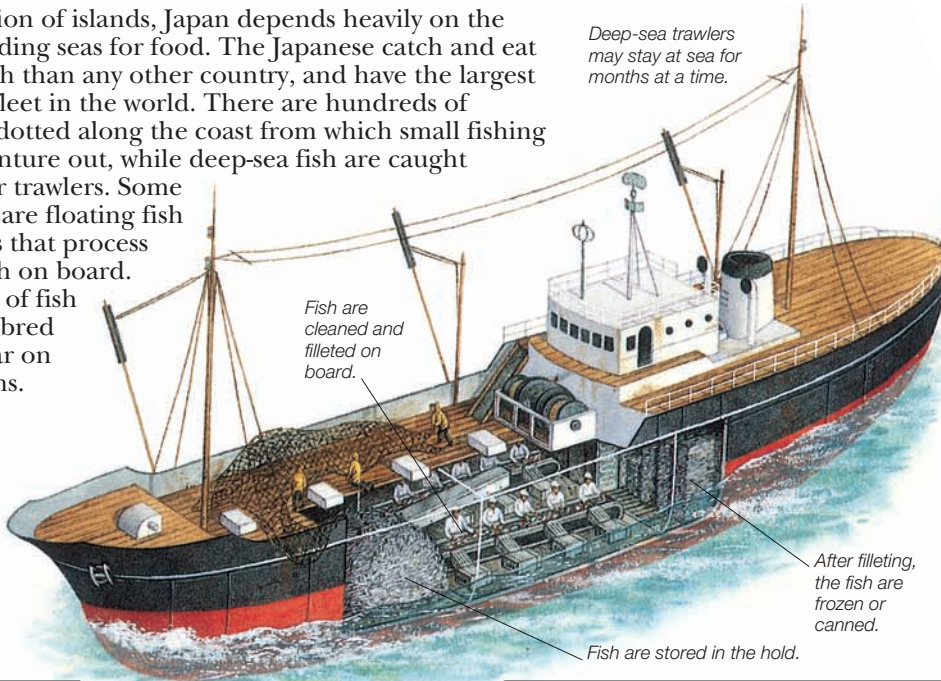
As a nation of islands, Japan depends heavily on the surrounding seas for food. The Japanese catch and eat more fish than any other country, and have the largest fishing fleet in the world. There are hundreds of villages dotted along the coast from which small fishing boats venture out, while deep-sea fish are caught by larger trawlers. Some trawlers are floating fish factories that process the catch on board. Millions of fish are also bred each year on fish farms.



SPORTING LIFE
Whether watching or taking part, Japanese people love sports. The national team sport is baseball, which came to Japan from the US. An ancient sport unique to Japan is sumo wrestling. Success in the ring depends on weight and strength, so wrestlers follow high-protein diets.

Golf is popular in Japan. Practice ranges are often built on several levels to save space.

Deep-sea trawlers may stay at sea for months at a time.



Fish are cleaned and filleted on board.

After filleting, the fish are frozen or canned.

Fish are stored in the hold.



Many types of fish and seafood are eaten raw, as sushi, and artistically presented on lacquered dishes or trays.

Find out more

- EARTHQUAKES: 13
- GROWING CITIES: 17, 136
- LIFE EXPECTANCY: 276
- PACIFIC RIM ECONOMIES: 137

MAINLAND SOUTHEAST ASIA

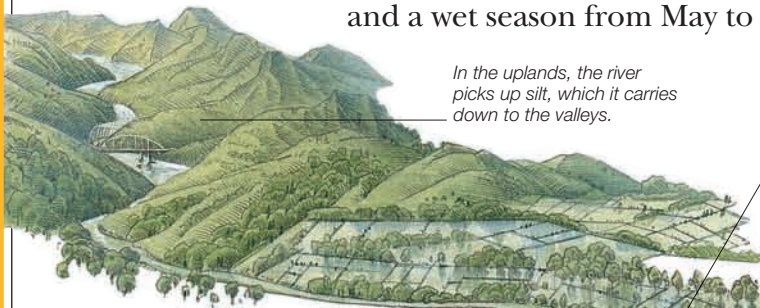
STRETCHING FROM THE FOOTHILLS of the Himalayas in the north almost to the Equator in the south, the seven countries of mainland Southeast Asia are largely mountainous. About half the region is covered with forest. Most people live in the river valleys that cut through the fertile countryside. Myanmar is isolated, poor, and underdeveloped. In comparison, Thailand, Malaysia, and, above all, the island of Singapore are rich countries with modern industrial economies. Vietnam, Cambodia, and Laos have had to recover from years of war. The region has a monsoon climate, with a dry season from November to March and a wet season from May to October.



THE COMING OF THE RAIN
As the wet season starts in May, the people of Laos and northeast Thailand celebrate *bun bang fai*, the skyrocket festival. They build huge rockets up to 13 ft (4 m) long from steel or plastic pipes and pack them with up to 1,100 lb (500 kg) of gunpowder. The rockets are launched into the sky to prompt the rain god, Vassakarn, to send the annual rains.



THE MEKONG DELTA
The delta of the Mekong River in Vietnam is one of the world's great rice-growing areas, producing much of the surplus that has made Vietnam the world's second largest rice exporter. Farmers in the delta also grow fruit and catch the many breeds of fish that thrive in the muddy river waters.

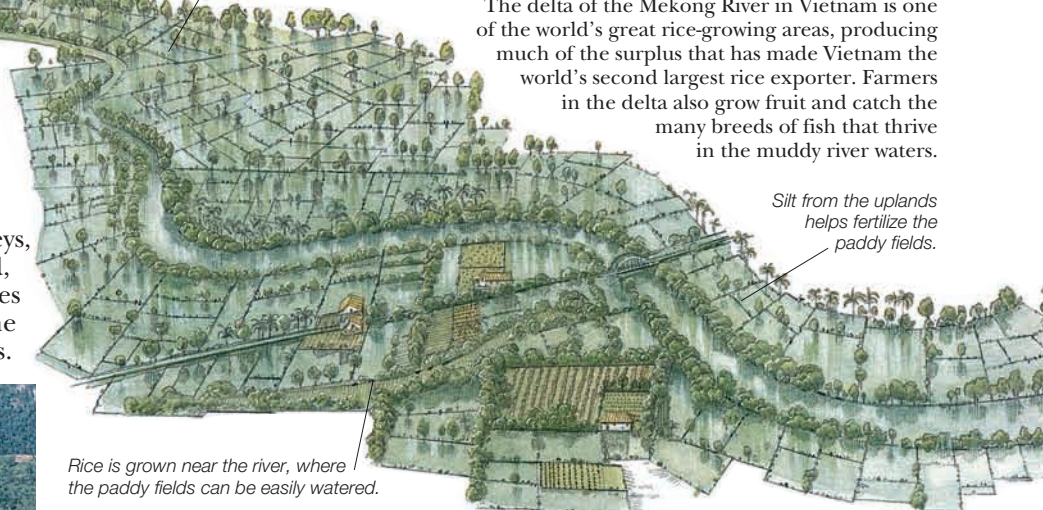


In the uplands, the river picks up silt, which it carries down to the valleys.

During the monsoon season, the river bursts its banks and floods the surrounding fields.

RIVER VALLEYS

From ancient times, people have settled in the valleys of the great rivers, such as the Irrawaddy, Mekong, and Salween, because the land there is suitable for growing rice. All the major cities in the region are situated on a river. In the valleys, farmers cultivate every corner of the land, often constructing terraces on the hillsides to grow rice and other crops. They use the river waters to irrigate (water) their crops.



Silt from the uplands helps fertilize the paddy fields.

Rice is grown near the river, where the paddy fields can be easily watered.



This Akha village on the border of Thailand and Myanmar is surrounded by land that is cleared for slash-and-burn farming.

THE UPLANDS

In contrast to the crowded river valleys, the uplands are sparsely populated and largely covered by forest. Here the hill peoples live in villages, farming small plots of land and gathering fruit and other food from the forest. This traditional way of life is now threatened by the region's growing population and by logging companies, which are cutting down the forest.



1 and 2: in January an area of forest is cut down and left to dry. During the dry season in April, the area is burned.

①



②

③



④

Stages 3 and 4 are repeated for 2–4 years, until the soil becomes less fertile.



3 and 4: crops are planted during the monsoon rains in May and harvested in October.



⑥

5 and 6: the area is left fallow for 15–25 years and the forest grows back.

⑤



HA LONG BAY
 A Vietnamese legend tells of a gigantic dragon that thrashed its way into the sea, smashing the limestone coastline into thousands of islands and rocky outcrops. Today, Ha Long Bay, which means “where the dragon descends into the sea,” has some of the most dramatic scenery in this region. It has inspired many poets and painters.

PINEAPPLES
 Thailand is the world’s leading producer of pineapples, but this fruit is grown in many parts of southeast Asia. Much of the crop is canned and exported.



BIRDS’ NEST SOUP
 The brown-rumped swift builds its nest high in the roofs of caves throughout Southeast Asia. Local men risk death climbing flimsy ladders to collect these nests, which form the main ingredient of birds’ nest soup. The nests are made from the birds’ saliva, but when they are plunged in boiling water they look like noodles.



THAILAND

THE KINGDOM OF THAILAND was established in the 13th century, and the country has remained independent for most of its history. It was the only country in mainland Southeast Asia not to be colonized by Britain or France. Modern Thailand is an economically successful nation, with rapid economic growth and a huge tourist industry. The north, west, and south are mountainous and fairly empty. About a third of the people live in the fertile and densely populated center of the country. Thailand was once covered in forest, but so much of it has been cut down for lumber that logging is now banned.

THE KING OF THAILAND King Bhumibol Adulyadej has ruled Thailand since 1946, making him the longest serving head of state in the world. The king is a powerful unifying force in the country and has often intervened in politics to restore order. He is highly respected by Thais and any criticism of him or his family is frowned upon.



BANGKOK

Officially 6 million people live in Bangkok, but the true figure is probably closer to 10 million. Originally built on a network of canals, the city still has relatively few major roads and a limited public transportation system. As a result, Bangkok has some of the worst traffic jams in the world. In July 1992, after a monsoon storm, it took 11 hours for one jam to clear. Some commuters have converted their cars into mobile offices, even installing chemical toilets, so they can work while they are driven in.

THAILAND
Capital city: Bangkok
Area: 198,455 sq miles (514,000 sq km)
Population: 62,800,000
Official language: Thai
Major religions: Buddhist 95%, Muslim 4%, other 1%
Government: Multiparty democracy
Currency: Baht
Adult literacy rate: 93%
Life expectancy: 69 years
People per doctor: 3,427
Televisions: 236 per 1,000 people

These young men's orange robes and shaved heads show that they are monks.



BUDDHISM

Monks from Sri Lanka introduced Theravada Buddhism to this region in the 12th century and it soon became Thailand's main religion. Theravada Buddhism – the "Way of the Elders" – encourages its followers to obey the Law of Karma and do all they can to reduce suffering in the world. Traditionally young men are expected to become monks for a period of their lives, and many still follow this custom today.

A MODERN ECONOMY

Thailand is the world's biggest producer of pineapples, and also exports large quantities of rubber and rice. However, in recent years manufacturing has overtaken agriculture in economic importance. American and Japanese companies have set up factories in Thailand, which is now a leading producer of electronic goods, such as integrated circuits for computers. Many of the workers in these new factories are women.



Women are often employed in the electronics industry because they earn lower wages than men and because smaller hands can handle the tiny components best.

The Emerald Temple in Bangkok is named after the green jade statue of the Buddha that it contains.

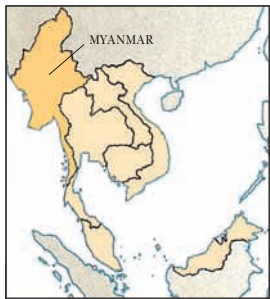


TOURISM

The thousands of ornate Buddhist temples and monasteries in Thailand have drawn tourists from around the world to admire their beautiful architecture. Despite the Indian Ocean tsunami in 2004, visitors still come to lie on the unspoiled beaches, trek in the hills of the north, or play on one of the new golf courses that are designed to attract businessmen from Japan.

Find out more

- BUDDHISM: 275
- GROWING CITIES: 137
- TIGER ECONOMIES: 137
- TSUNAMI: 197, 273



MYANMAR	
Capital city:	Nay Pyi Taw
Area:	261,969 sq miles (678,500 sq km)
Population:	49,500,000
Official language:	Burmese
Major religions:	Buddhist 87%, Christian 6%, Muslim 4%, Hindu 1%, other 2%
Government:	Military government
Currency:	Kyat
Adult literacy rate:	85%
Life expectancy:	57 years
People per doctor:	3,241
Televisions:	7 per 1,000 people

MYANMAR

OVERSHADOWED BY THE POWERFUL neighboring countries of India, China, and Thailand, Myanmar (also known as Burma) is little known to the outside world. When the country became independent in 1948, it adopted a policy of political and economic isolation that reduced this once rich nation to one of the poorest on Earth. Revolts by the hill peoples and, in recent years, political repression by a military government have kept nearly all foreign influences away. Yet Myanmar is rich in natural resources, is well watered by the great Irrawaddy River, and is fertile enough to support intensive farming.

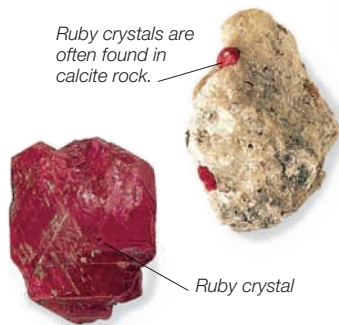


TEAK

Hard, easily carved, and containing an oil that resists water and stops iron from rusting, teak is a highly desirable wood for furniture, flooring, and other building uses. About 70 percent of the world's teak trees grow on the hills of Myanmar, but intensive felling means that soon few trees will be left standing unless action is taken to replant the forests.

NATURAL WEALTH

Rubies and sapphires are among the many gemstones produced in northern Myanmar. Many people consider these rubies to be the finest in the world because of their deep red color. Myanmar is also rich in silver, copper, jade, lead, zinc, and tin, and has extensive reserves of oil and natural gas.



◆ Rubies
■ Poppy-growing area

THE GOLDEN TRIANGLE

The area where Myanmar, Thailand, and Laos meet is known as the Golden Triangle. Here the hill peoples grow opium poppies as one of their few sources of income. Opium is a useful painkiller, but it can also be used to make narcotics. Two-thirds of the world's heroin comes from this region. In order to combat this lethal trade, the government is encouraging the local people to plant other crops for export, such as tobacco or flowers.

The Akha people value silver highly. This chief and his family wear silver neck rings, bracelets, and ornaments on their clothes to show their wealth and status.



THE HILL PEOPLES

In the upland areas of the east, north, and west of Myanmar live the hill peoples. They include the Shan, Akha, Karen, and Kachin tribes, and make up more than a quarter of the total population. Most hill peoples live in small villages and make their living from slash-and-burn farming on the land around their villages. They are fiercely independent and resent interference from outside. As a result, more than 200,000 Karen and others have lost their lives fighting the Myanmar government for independence.

The opium poppy has white, pink, or purple flowers and can grow to a height of 4 ft (1.2 m).



Opium is made from the sap that oozes out of cuts scored in the seed head.

RANGOON

Situated in the delta of the great Irrawaddy River, the former capital city of Myanmar was established in 1852 by the British, who laid out the streets in a grid pattern. Since then, Rangoon has grown to be the country's major port and industrial center. Dominating the city is a Buddhist temple called the Shwe Dagon Pagoda. Situated on a hill just north of the city center, the gold-covered pagoda towers 325 ft (99 m) above the city streets.



Find out more

- BUDDHISM: 275
- DRUG TRADE: 58
- GEMSTONES: 62, 172
- LOGGING: 69, 227, 244



VIETNAM

EVERY DAY FOR 13 YEARS Vietnam appeared on television sets and in newspapers around the world as the communist-led north of the country fought the American-backed south in a vicious war. When the war ended in 1975, with victory for the north, Vietnam had been devastated by the years of fighting and many of its people wanted to leave. Although the communist government struggled for years to recover, its policy of allowing foreign firms to invest in new industries slowly strengthened the economy. Today, tourists are beginning to visit this beautiful country in ever greater numbers. Despite this success, most people in Vietnam remain very poor.



RUSH HOUR ON A BICYCLE
Cars dominate most large cities in the world, but in Vietnam the bicycle rules the road. Everyone has a bicycle that they use to get to work or for shopping, because few people are rich enough to afford a car. In the morning and evening rush hours, streets like this one in Ho Chi Minh City are packed with cyclists, ringing their bells and shouting out loud to warn pedestrians and other cyclists to get out of the way.

VIETNAM
Capital city: Hanoi
Area: 127,243 sq miles (329,560 sq km)
Population: 81,400,000
Official language: Vietnamese
Major religions: Buddhist 55%, Christian 7%, other 38%
Government: One-party state
Currency: Dong
Adult literacy rate: 93%
Life expectancy: 70 years
People per doctor: 1,919
Televisions: 47 per 1,000 people

THE BIRTH OF A CHILD

In the past, many Vietnamese babies did not live for long, so families did not celebrate the birth of a child, but rather its survival for a month. This ritual continues today. Later, when the child is a year old, the family celebrates *Thoi Noi*. The child is shown a tray with objects on it. Whichever one the child chooses shows which career he or she will follow – for example, a pen for a teacher, scissors for a tailor.



Many of the boat people died at sea from disease or because their boats were not strong enough for the hazardous voyage.

THE BOAT PEOPLE

After the end of the war, many Vietnamese people tried to leave in search of jobs abroad or out of fear of persecution. They took to the sea in boats, hoping to reach the West via Hong Kong, Malaysia, or Singapore. By 1980 about half a million people had set sail. The flood of refugees stopped when neighboring countries began to send them home.

Most villages have an electricity supply, and some families own a television set.



House made of concrete

Outdoor shower

Plot for growing vegetables and corn

RICE GROWING

Two-thirds of the farmland in Vietnam is under water for part of the year, but deliberately so, because the fields are flooded to grow rice. During the rainy season, the fields slowly fill with rainwater, which is kept in place by low earth dikes. Soon a series of shallow, muddy paddy fields appears. Women plant the rice by hand. It takes two to three months to grow to full strength and is then harvested.



VILLAGE LIFE

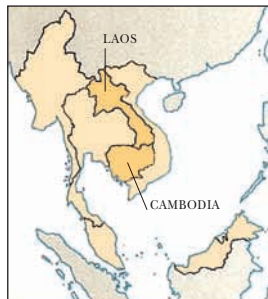
Four out of every five people in Vietnam live in the countryside. Because cars are rare, and there are few railroad lines, most of them will never visit the great cities of Hanoi or Ho Chi Minh. The vast majority live in small villages and earn their living as farmers or laborers. Here they live in simple houses made of concrete, brick, or, more traditionally, wood, straw, and palm leaves. A typical house has two rooms – one for eating and living, the other for sleeping – but no running water. Water comes from a well outside.



Families live on the fruits and vegetables they grow on their farms. They eat meat only on special occasions.

Find out more

- CYCLING: 92
- PACIFIC RIM ECONOMIES: 137
- POLITICAL SYSTEMS: 270–271
- RICE GROWING: 135, 176, 197



CAMBODIA	
Capital city: Phnom Penh	
Area: 69,900 sq miles (181,040 sq km)	
Population: 14,100,000	
Official language: Khmer	
Major religions: Buddhist 93%, Muslim 6%, other 1%	
Government: Multiparty democracy	
Currency: Riel	
Adult literacy rate: 69%	
Life expectancy: 54 years	
People per doctor: 3,333	
Televisions: 15 per 1,000 people	
LAOS	
Capital city: Vientiane	
Area: 91,428 sq miles (236,800 sq km)	
Population: 5,700,000	
Official language: Lao	
Major religions: Buddhist 85%, other 15%	
Government: One-party state	
Currency: New kip	
Adult literacy rate: 66%	
Life expectancy: 56 years	
People per doctor: 5,000	
Televisions: 4 per 1,000 people	

Hmong men often have more than one wife. Each wife is responsible for bringing up her children, and tends her own poultry and vegetable garden.



CAMBODIA

Angkor Wat consists of a central temple building surrounded by smaller temples and palaces and huge moats and reservoirs.



FEW COUNTRIES HAVE SUFFERED as much as Cambodia. In 1970 it was drawn into the fighting in neighboring Vietnam. Then, from 1975–79, the country was ruled by Pol Pot and the Khmer Rouge, a revolutionary group that killed more than a million Cambodians. In 1979 the Vietnamese invaded to overthrow Pol Pot, and the country fell into civil war, which lasted until 1991. Today, Cambodia is slowly rebuilding its shattered society.



CLASSICAL DANCE
In the temple of Angkor Wat, royal dancers performed religious dances based on the Indian epic tales of the Ramayana and the Mahabharata. This type of classical dance is highly stylized, with graceful movements requiring years of training to perfect. The dancers wear richly embroidered costumes so tight that they have to be sewn into them before each performance.

ANGKOR WAT

For centuries the vast temple complex of Angkor Wat lay hidden in the jungles of northern Cambodia. It was built in the 12th century by the Khmer King Suryavarman II, in honor of the Hindu god Vishnu, and was once the center of a huge empire. When the Khmers fell from power, Angkor Wat was abandoned, and the jungle gradually grew over the buildings. The site has been uncovered in the last 100 years.



THE WORLD'S BIGGEST MINEFIELD

The lengthy wars in Cambodia have left the country in a desperate state. The road and rail systems have collapsed, and industry barely exists. Up to 3 million mines are thought to lie buried in the ground. Despite the efforts of mine clearers, like the man in this picture, many mines are discovered only when someone steps on one. As a result, some 20,000 people have been disabled.

LAOS

LAOS IS A COMMUNIST STATE and one of the poorest and most isolated countries in the world. Three-quarters of its people are farmers; many of them grow only enough food to feed their families. Aside from the fertile Mekong Valley, the land is rugged and unsuitable for farming. Yet Laos is rich in gold and other minerals, and also produces lumber and coffee.

THE HILL PEOPLES

Peoples such as these Hmong have lived in the isolated hill areas of Laos for many years. They grow corn and rice to eat, and opium poppies to sell. But this traditional way of life has been badly affected by the wars in this region and many Hmong have left the country and settled in Thailand or the US.



THE FRIENDSHIP BRIDGE
Spanning the Mekong River near the capital city of Vientiane is the Friendship Bridge, which opened in 1994. Laos is landlocked (it has no coastline), and the bridge provides the only direct route to Thailand and its seaports.

<i>Find out more</i>	
HILL PEOPLES:	188, 191
HINDUISM:	275
OPIMUM:	191
POLITICAL SYSTEMS:	270–271



MALAYSIA

SPREAD ACROSS THE SOUTH CHINA SEA is the divided land of Malaysia. Part of the country lies on the Malay Peninsula, which hangs off the corner of mainland Southeast Asia, but the states of Sarawak and Sabah are on the island of Borneo to the east. More than 24 million people live in the country, most of them in the rapidly growing cities on the peninsula. Every five years Malaysia gets a new head of state: nine sultans, who each rule one of the states that make up the country, take turns acting as king.



THE PEOPLE OF MALAYSIA
Almost half the population of Malaysia are Malays, like this family. About one-third are Chinese; the rest are either descendants of settlers from the Indian Subcontinent or local tribespeople. This mix of peoples has led to racial conflict in the past.

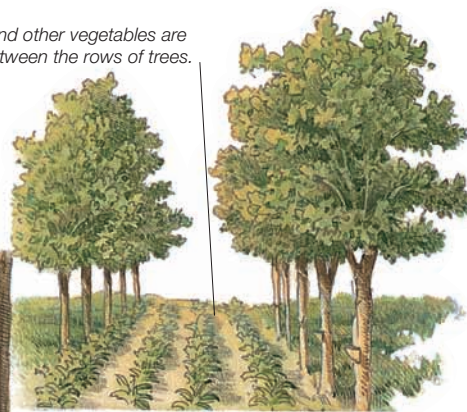
MALAYSIA

Capital cities: Kuala Lumpur, Putrajaya
Area: 127,316 sq miles (329,750 sq km)
Population: 24,400,000
Official language: Malay
Major religions: Muslim 53%, Buddhist 19%, Chinese faiths 12%, Hindu 7%, Christian 7%, traditional beliefs 2%
Government: Multiparty democracy
Currency: Ringgit
Adult literacy rate: 89%
Life expectancy: 73 years
People per doctor: 1,474
Televisions: 166 per 1,000 people



Peas, beans, and other vegetables are often grown between the rows of trees.

Strips of bark are cut away to let the latex run down the trunk and into a collecting cup.



RUBBER
Hidden inside the bark of the rubber tree is a white liquid, called latex, that is used to make natural rubber. Rubber trees grow in hot, wet climates and flourish on the lower slopes of the mountains that run down the length of the Malay Peninsula. Collected latex is sent to a local factory. There it is mixed with water and acid in a large pan to make a sheet of rubber that is then smoked or hung on a line to dry.

Rubber tappers go out before dawn to collect the latex before the high daytime temperatures stop its flow.

NATURAL RESOURCES

Malaysia is rich in natural resources, with large oil and gas reserves off the coast of Sarawak. The country is the world's top producer of palm oil, used to make soap and for cooking, and the third biggest producer of natural rubber. The rain forests of Sarawak are rich in hardwood trees, but experts are worried that the logging industry is cutting down trees faster than the forest can renew itself.



SINGAPORE

Capital city: Singapore
Area: 267 sq miles (693 sq km)
Population: 4,300,000
Official languages: Malay, Chinese, Tamil, and English
Major religions: Buddhist 55%, Taoist 22%, Muslim 16%, other 7%
Government: Multiparty democracy
Currency: Singapore dollar
Adult literacy rate: 93%
Life expectancy: 78 years
People per doctor: 698
Televisions: 348 per 1,000 people



Half of all cars sold in Malaysia are Protons.

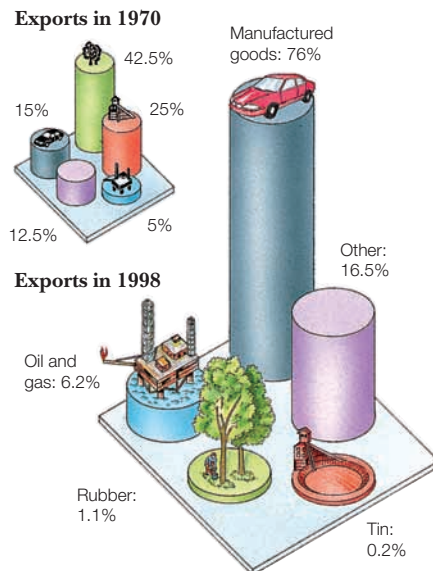
MODERN INDUSTRY

The first car to be manufactured in Malaysia – the Proton – rolled off the production line outside Kuala Lumpur in 1985. Today, more than 90,000 Protons are produced every year, many for export to Indonesia, Singapore, and the UK. The Proton has been so successful that it has been followed by a second car project, the Perodua. Malaysia is also an international center for the electronics industry and is the world's biggest producer of disk drives for computers.

THE CHANGING ECONOMY

1970s: in 1970, Malaysia had few factories, and most of its raw materials, such as rubber and tin, were exported to be manufactured into finished goods abroad.

2000s: today, Malaysia's economy is one of the most successful in the world. Malaysia continues to produce large amounts of raw materials, and its manufacturing sector has grown dramatically. Three-quarters of all exports are now finished goods, such as cars, electronics, textiles, and foods.



ISLAM

In 1414, the people of Malacca (modern-day Melaka) converted to Islam when their ruler married a Muslim princess from Sumatra. The new faith spread rapidly throughout the country. Today, more than half the population of Malaysia is Muslim. Islamic law is widely obeyed and many women wear a headdress in the street.



Modern-day Kuala Lumpur is a mixture of skyscrapers and old colonial buildings.

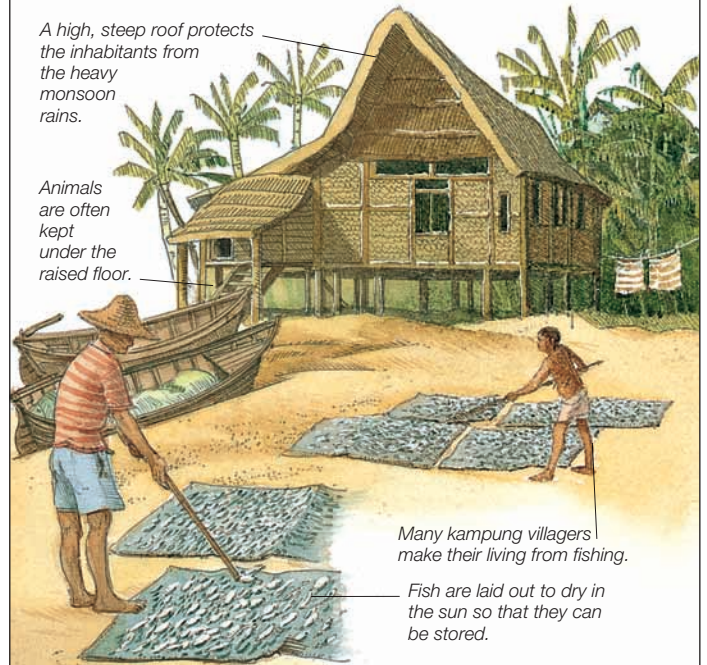


KUALA LUMPUR

In 1857, a group of miners in search of tin set up a camp where the Kelang and Gombak rivers join. They called their settlement Kuala Lumpur, which is Malay for “muddy meeting place.” The camp soon grew in size and importance as a center of the tin mining and rubber industries. Today it is Malaysia’s biggest city and home to more than 1.5 million people.

LIFE ON STILTS

Faced with the problem of building on the banks of rivers or next to the sea, villagers developed an ingenious solution – they built their houses on stilts. Villages of these houses, called *kampungs*, are found throughout Southeast Asia. The wooden houses stand high enough above the water to protect them from flooding, while the raised floors and many windows help keep the houses well ventilated.



A high, steep roof protects the inhabitants from the heavy monsoon rains.

Animals are often kept under the raised floor.

Many *kampung* villagers make their living from fishing.

Fish are laid out to dry in the sun so that they can be stored.

SINGAPORE



OFF THE TIP OF MALAYSIA lies the tiny island state of Singapore, one of the most densely populated countries on Earth. Singapore was originally a trading settlement on the shipping route between India and China. It was founded in 1819 by Sir Stamford Raffles, an official of the British East India Company. Today, rapid economic growth has turned the island into one of the world’s most successful economies.



THE PORT OF SINGAPORE
Every three minutes a ship enters or leaves the bustling harbor of Singapore, making it the busiest port in the world. Tankers from the Persian Gulf bring crude oil to be refined into fuel and other products, which are then shipped out to ports throughout eastern Asia. Cargo ships on the way to and from China and Japan stop to use the harbor’s facilities, and most of Malaysia’s large export trade goes out through this port.

SINGAPORE SOCIETY

Three-quarters of the people of Singapore are Chinese; the rest are Malays and descendants of people from the Indian Subcontinent. Because Singapore is so wealthy, most people lead comfortable lives. The government keeps tight control over the country: it regulates the press, owns the television and radio services, and limits car ownership to prevent congestion on the roads. It is illegal to drop litter in the street, eat in the subway, or chew gum in public.



Singapore’s banks and stock exchange, based in this part of the city, generate about a quarter of the country’s income.

Singapore’s skyline is dominated by modern high-rise buildings, built because land is in such short supply.

Find out more

ISLAM: 275
 OIL: 137, 152, 281
 PACIFIC RIM ECONOMIES: 137
 RUBBER: 226

MARITIME SOUTHEAST ASIA

MARITIME MEANS “CONNECTED WITH THE SEA,” and maritime Southeast Asia is a belt of thousands of islands strung out across a vast expanse of ocean. Here, sandwiched between mainland Southeast Asia and Australia, are four countries: the eastern part of Malaysia, Brunei, Indonesia, and the Philippines. This is one of the world’s most volcanic regions, and the monsoon climate makes some areas among the wettest places on Earth. A huge variety of animals and plants live here, because the environment is slightly different on each island. There are many different peoples, too. More than 250 languages are spoken on the islands of Indonesia alone.

WATER TRANSPORTATION

In this island region, boats have traditionally provided the main method of getting from place to place. Small boats, such as this outrigger canoe, are ideal for navigating the waterways between clusters of islands.



TYPHOON CLIMATE

Each year, about 20 tropical storms called typhoons batter the islands of the Philippines. They bring flooding and winds traveling over 62 mph (100 km/h). Many people are killed in storms, and thousands of homes are destroyed. Low-lying coastal areas are most at risk, but people are forced to live there because land is in short supply, and these areas are cheap.





VOLCANOES

Volcanic eruptions and earthquakes are a frequent part of life in this region. They are caused by the movement of huge pieces of the Earth's crust, called tectonic plates. Much of maritime Southeast Asia lies over a massive arc-shaped join between two of these plates. Despite the terrible destruction that eruptions cause, the islanders risk growing crops on the slopes of active volcanoes because their ash makes the soil fertile.

This Australasian Komodo dragon lives on an island to the east of Wallace's Line.



NATURAL VARIETY

During the 1850s the British naturalist Alfred Russel Wallace journeyed through these islands. He noticed that most of the animals on the island of Bali were Asian in origin, but those on neighboring Lombok were mainly Australasian. "Wallace's Line" is an imaginary line drawn across the region to divide the islands with Asian animals from those with Australasian animals.



Islands to the west of Wallace's Line are filled with Asian animals, such as this orangutan.



TSUNAMI 2004

On December 26, 2004, a massive underwater earthquake off the northwest coast of Sumatra created a giant wave, known as a tsunami, that quickly rippled out across the Indian Ocean. The tsunami was so powerful that it killed at least 225,000 people in 11 nations, including 170,000 in Indonesia. Coastal towns, such as the port of Banda Aceh (shown above) were decimated, while people were killed as far away as Somalia on the east coast of Africa.



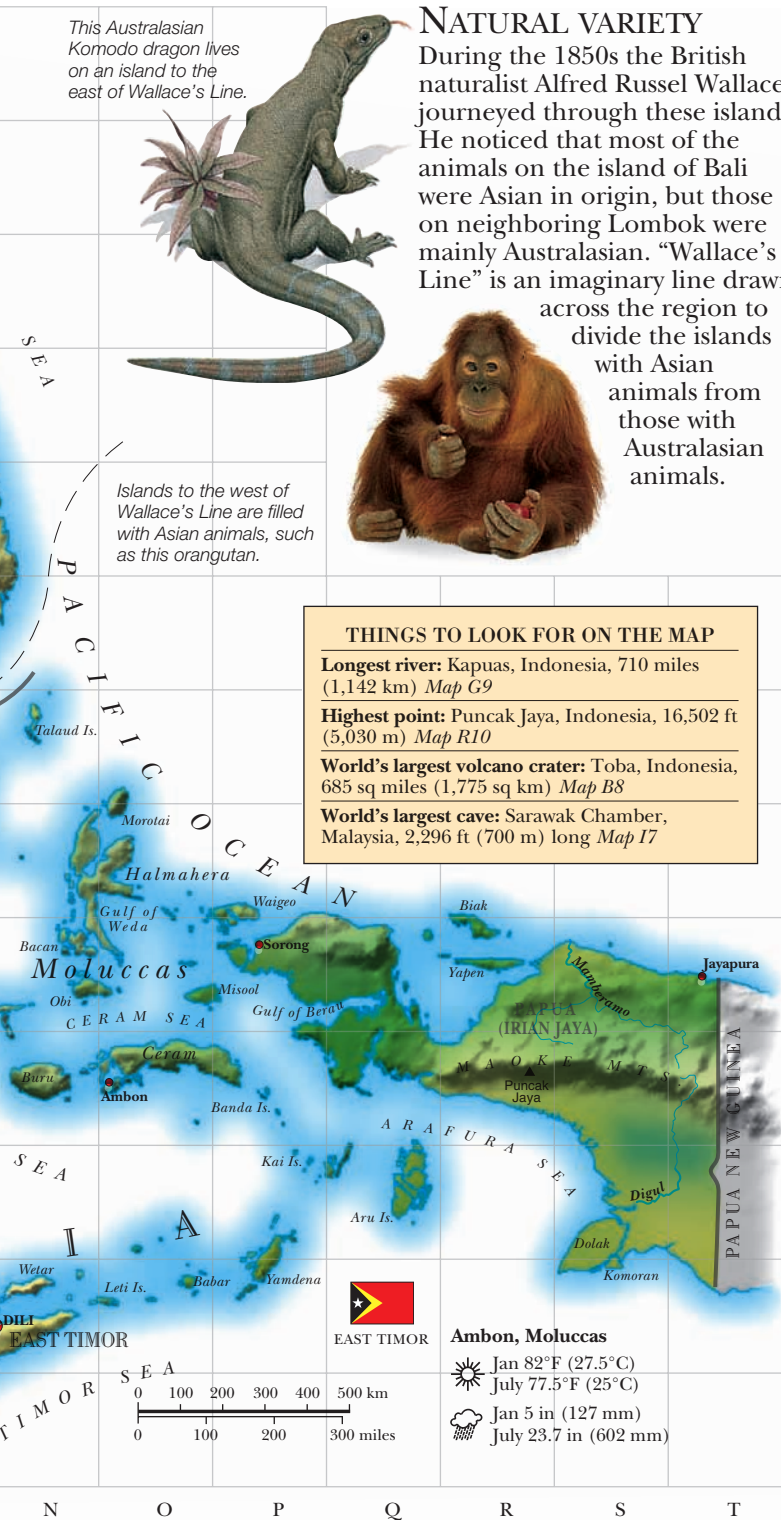
Scientists studying the rain forests in this region have discovered that they contain one-sixth of all the world's bird species.

THE TROPICAL RAIN FORESTS

Individual islands provide different natural habitats, so the animals and plants that have evolved on one island may be very different to those on the next. This means that the region's dense rain forests contain the greatest variety of species in the world. This is why it is so vital that these forests should be protected and not cut down or cleared.

THE RAFFLESIA FLOWER

This rare plant, found deep in the rain forests, is named after Sir Stamford Raffles, a British governor in this region during the 19th century. It has the world's largest flowers, measuring up to 3 ft (91 cm) across. *Rafflesia* is famous for its foul smell, which attracts insects.





INDONESIA

EVERYTHING ABOUT INDONESIA IS BIG. It is the world's largest archipelago, made up of 18,108 islands, of which only about 1,500 are inhabited. It stretches for 3,169 miles (5,100 km) and is spread across 3 million sq miles (8 million sq km) of sea and three time zones. The population contains 362 different ethnic groups, speaking over 250 languages and dialects. More than 190 million Indonesians are Muslim, making it the world's biggest Muslim country. It is also a land of contrasts: along with its modern cities and industries, Indonesia contains peoples whose lifestyles have not altered for centuries.



JAKARTA
Indonesia's capital is home to more than 17 million people, making it the largest city in Southeast Asia. It was originally a small trading port at the mouth of the Ciliwung River, shipping spices throughout eastern Asia. In 1618, the Dutch made Jayakarta, as it was then called, the capital of their East Indies Empire. They renamed the town Batavia and rebuilt it around canals to look like Amsterdam.

INDONESIA
Capital city: Jakarta
Area: 741,096 sq miles (1,919,440 sq km)
Population: 220,000,000
Official language: Bahasa Indonesia
Major religions: Muslim 87%, Christian 9%, other 4%
Government: Multi-party democracy
Currency: Rupiah
Adult literacy rate: 88%
Life expectancy: 67 years
People per doctor: 6,564
Televisions: 136 per 1,000 people

BRUNEI
Capital city: Bandar Seri Begawan
Area: 2,228 sq miles (5,770 sq km)
Population: 358,000
Official language: Malay
Major religions: Muslim 66%, Buddhist 14%, Christian 10%, other 10%
Government: Absolute monarchy
Currency: Brunei dollar
Adult literacy rate: 94%
Life expectancy: 77 years
People per doctor: 929
Televisions: 241 per 1,000 people

EAST TIMOR
Capital city: Dili
Area: 5,794 sq miles (15,007 sq km)
Population: 778,000
Official languages: Tetum, Portuguese
Major religions: Roman Catholic 95%, other 5%
Government: Multi-party democracy
Currency: US Dollar (transitional currency)
Adult literacy rate: 59%
Life expectancy: 65 years
People per doctor: 40,000
Televisions: 56 per 1,000 people

THE SPICE ISLANDS
For centuries, the Moluccas islands in eastern Indonesia were Europe's main source of cloves, nutmeg, cinnamon, and other spices. While Indonesia was a Dutch colony, the merchants of the Dutch East India Company had total control of this trade and grew fabulously rich. Indonesia became an independent country in 1949.



The temple of Borobudur is the world's largest Buddhist monument.

BOROBUDUR
Situating in the heart of Java is one of the architectural wonders of the world. The vast Buddhist temple of Borobudur – which means “monastery on the hill” in Javanese – was built between AD 778–856. The temple consists of a series of platforms, each one representing a different stage in the Buddhist's spiritual journey from ignorance, through enlightenment, to nirvana, or heavenly bliss.



OIL AND GAS
The first oil well was drilled in Sumatra in 1871, and oil has dominated the Indonesian economy ever since. By 1981 oil and gas products made up more than 80 percent of exports, but this figure is now dropping as the oil reserves begin to run out. To reduce dependence on oil, Indonesia is exploiting its reserves of natural gas. The gas is exported in a liquid form, called liquefied natural gas.



BALI
With lush plants covering the island in a carpet of green and sandy beaches stretching along the coast, Bali is one of the world's most beautiful places. It is a favorite destination for tourists, who come to enjoy the scenery and to watch local groups of musicians perform ancient dances. Most Balinese are Hindu, and processions, like these women taking offerings to the temple, are part of everyday life.

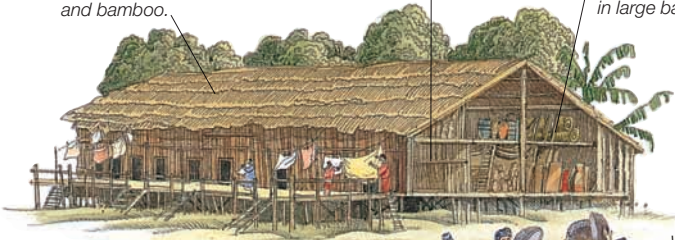
PEOPLES OF INDONESIA

More than 220 million people live in Indonesia, 60 percent of them packed onto the island of Java. Yet this island occupies just 7 percent of the country's total land area. Many of the other islands are barely occupied, despite their vast size. In 1950 the government began to resettle people from Java on other islands. More than 6 million people have been resettled in this way, despite opposition from local people who are sometimes moved to make way for the new settlers.

A longhouse is usually constructed of wood and bamboo.

Covered gallery

Storage area, where rice is kept in large baskets.



THE DAYAKS

The native inhabitants of Borneo, the Dayaks, are expert builders who construct elaborate longhouses on stilts. Several families live in a longhouse, each with its own cooking and sleeping quarters. Meetings are held in the covered gallery that runs along the length of the building, and rice, fish, and other foods are dried on the open verandah in front.

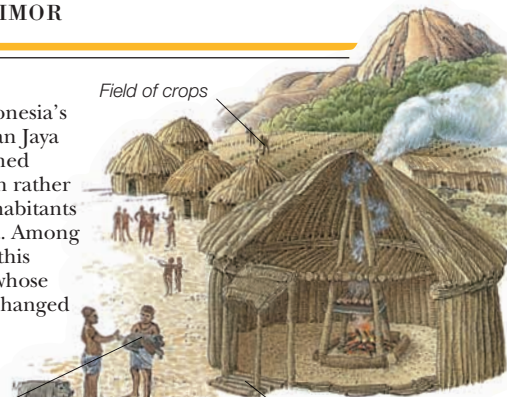


Women separating rice grains from the chaff

THE DANI

The people who live in Indonesia's easternmost province of Irian Jaya are related to the dark-skinned peoples of the Pacific Ocean rather than the lighter-skinned inhabitants of the rest of Southeast Asia. Among the many tribes who live in this isolated area are the Dani, whose agricultural way of life has changed little in thousands of years.

Field of crops



The Dani barter for goods, such as pigs.

Dani houses are made of wood and thatch.



Sulawesi

THE BUGIS

The Bugis people of southern Sulawesi are famous for their seafaring skills and, in previous centuries, for their ferocity in battle. They built elegant wooden ships in which they terrorized the inhabitants of neighboring islands. It is thought that the English word "bogyman" comes from Bugis.

The Bugis still build their wooden ships, but they now have diesel engines.

BRUNEI

SANDWICHED BETWEEN THE Malaysian state of Sarawak and the South China Sea lies Brunei. It consists of a humid tropical rain forest with a swampy plain along the coast. Once an outpost of the British Empire and a haven for pirates, this country was transformed by the discovery of oil in 1929. Today Brunei is one of the world's wealthiest nations, with huge resources of oil and natural gas.

THE SULTAN OF BRUNEI
Brunei is ruled by one of the wealthiest people on Earth. Thanks to the country's vast oil and gas reserves, Sultan Hassanal Bolkiah is worth about US\$25 billion, although he denies this figure. In recent years the Sultan has spent more than US\$450 million building one of the world's largest mosques in Brunei's capital city, Bandar Seri Begawan.



Brunei women dressed in the Muslim veil (hijab) greet the sultan.

EAST TIMOR

BEING A PORTUGUESE COLONY for 400 years, gave East Timor a very different identity to its neighbors. Most people are Roman Catholic and the country is full of Portuguese architecture. It became independent in 1975 but was taken over by its giant neighbor, Indonesia, the same year. After 26 years of war and famine, which saw the death of 200,000 East Timorese, the tiny nation finally gained independence in 2002.



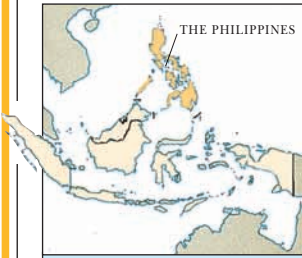
STRUGGLE FOR INDEPENDENCE

East Timor began its fight to rule itself after a long guerrilla war with Indonesia, during which over 200,000 East Timorese were killed. The Revolutionary Front for an Independent East Timor (known in Portuguese as Fretilin) consists of many of these former fighters and now runs the government of the world's newest nation.

Find out more

ISLAM & BUDDHISM: 275
OIL & GAS: 137, 152, 163, 211
POPULATION DENSITY: 16, 135
SPICES: 57, 264

THE PHILIPPINES



THE PHILIPPINES
Capital city: Manila
Area: 115,830 sq miles (300,000 sq km)
Population: 80,000,000
Official languages: Filipino and English
Major religions: Christian 92%, Muslim 5%, other 3%
Government: Multiparty democracy
Currency: Philippine peso
Adult literacy rate: 93%
Life expectancy: 70 years
People per doctor: 2,599
Televisions: 108 per 1,000 people

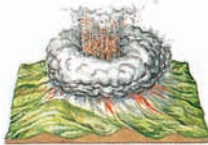
LOCATED ON THE “RING OF FIRE” – the arc of volcanoes running through maritime Southeast Asia – and in the path of violent tropical storms, the Philippines suffers from earthquakes and volcanic eruptions. The country consists of 7,107 islands, of which only about 1,000 are inhabited. Most of the people live on the northern island of Luzon, which contains the capital, Manila. For almost 400 years the Philippines was governed by Spain; in fact the country is named after the Spanish king Philip II. In 1898 control passed to the US, then in 1946 the Philippines became an independent nation. Most Filipinos are of Malay origin, but there are some Chinese immigrants and mixed-blood *mestizos*.



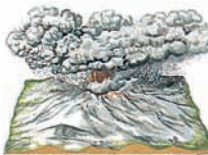
MANILA
 Much of the capital city of the Philippines lies below sea level, and it suffers from floods during the rainy summer season. The Spanish captured Manila in 1571, fortifying its walls and making it the center of their Asian empire. Over the centuries, Manila has been an important trading port, with merchants arriving from as far afield as Arabia, India, and Japan. Today, it is a bustling modern city with more than 10 million inhabitants.



April 2, 1991: the growth of a lava dome shows that Mt. Pinatubo is about to erupt.



June 14, 1991: the mountain begins to spew deadly clouds of gas and ash.



June 15, 1991: a huge blast blows out the mountainside, and molten lava floods down the slopes.



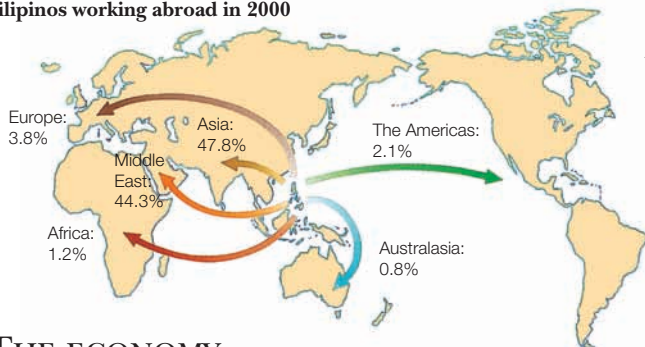
MOUNT PINATUBO

In June 1991, Mount Pinatubo, a volcano north of Manila on the island of Luzon, burst into life. For 10 days, it spewed out volcanic ash and rocks in one of the biggest volcanic eruptions ever recorded. The landscape was soon covered with a layer of debris some 23 ft (7 m) deep. Heavy rainfall turned much of this to sludge, blocking rivers, and filling up valleys. The local Aeta tribespeople lost their land and houses overnight.



SMOKY MOUNTAIN
 On the edge of Manila lies a vast mountain. Unlike other mountains, this one is not made of rock, but of garbage. Every day the garbage trucks of Manila arrive there to dump their loads of household waste. Many people, some of them children as young as four, live on the mountain, searching the refuse daily for bottles, cans, plastics, and cardboard that they can sell for recycling.

Filipinos working abroad in 2000



About 2% of the workforce are working abroad at any one time, sending money home to support their families. Each year, more than US\$1 billion flows into the country's economy in this way.

THE ECONOMY

Once one of the richer nations in Asia, in the last few decades the Philippines has fallen behind its economically powerful neighbors. Half the population lives in poverty, and many Filipinos can only support their families by working abroad. The Philippines is rich in natural resources, with reserves of gold, copper, and chrome. The main export crops are tobacco, sugar, and a wide range of tropical fruits.



AMAZING JEEPS
 At the end of World War II, the US Army left thousands of unwanted jeeps in the Philippines. Local people soon converted these for their own use, decorating them in amazing colors and patterns. The jeep can cope with the rugged conditions and poor roads of the countryside and is now one of the main forms of transportation in the Philippines.

POLITICS

The presidential system of government in the Philippines has caused problems over the last few decades. In 1965, Ferdinand Marcos became president, but governed the country harshly, cheated in elections, and used his position to make a personal fortune. He was finally forced to leave when thousands of people took to the streets in protests known as "People Power," organized by the Catholic Church. In 2001 another corrupt president, Joseph

Estrada, a former film star, was also forced to step down after more mass protests from Filipinos.



ANCIENT TERRACES, MODERN METHODS

The Ifugao people have farmed the mountainous landscape in the north of Luzon island for thousands of years, laboriously constructing terraces on the steep hillsides to grow rice. These ancient terraces are now a major tourist attraction. But not all rice-growers in the Philippines use such traditional methods. The country is also home to the International Rice Research Institute, where scientists have bred new species of rice that yield more grains per plant, and are also developing rice-planting and harvesting machines.

Farmers here sow rice in the ground like any other cereal crop, rather than in a flooded paddy field.

The terraces are held in place by stone walls built entirely by hand.



RELIGION

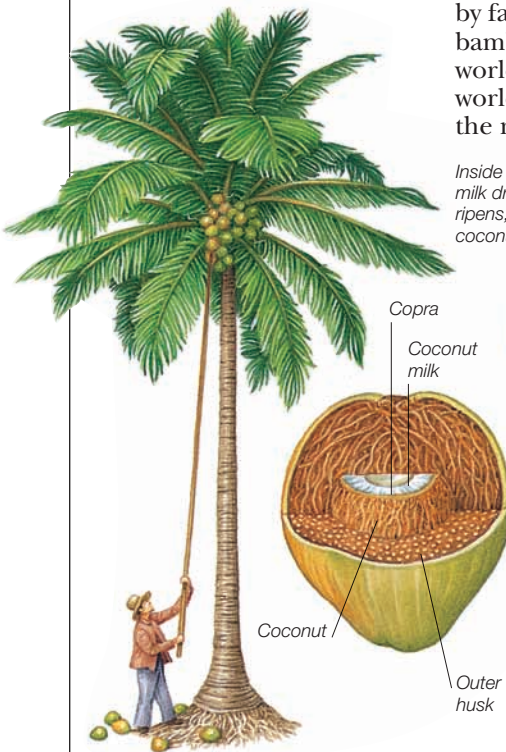
Roman Catholicism was introduced to the Philippines by the explorer Magellan, who visited the island of Cebu in 1521 during his voyage around the world. Under Spanish rule, many Filipinos converted to Catholicism. It became the major religion in all but the southern, Muslim island of Mindanao. Today, the Philippines is one of the only two Christian countries in Asia, and the Catholic Church continues to exert a powerful influence on everyday life.

Reaching a height of up to 100 ft (30 m), the coconut is one of the most beautiful palm trees in the world. Long leaves form on top of the slender trunk, and cream flowers grow on long spikes.

COCONUTS

The coconut palm flourishes in the warm, damp climate of the Philippines, producing nuts for up to 70 years. The nuts ripen in bunches of 15 to 20, and are harvested by farmers who knock them out of the trees with long bamboo poles. After Indonesia, the Philippines is the world's second largest producer of coconuts and the world's biggest producer of copra, the fleshy meat inside the nut, exporting the products around the world.

Inside the nut is a refreshing milk drink that, as the nut ripens, slowly turns into coconut meat, or copra.



101 USES OF THE COCONUT

Every part of the coconut tree has a use. The roots are turned into dyes and medicines, the trunk into lumber and charcoal, and the leaves into thatch for roofs and woven material. The nut is used for matting, food, and cosmetics.

Copra is used to make soap, cosmetics, and detergents.

Mat made from the outer husk of the coconut



HUNTER-GATHERERS

On some of the more remote islands of the Philippines live groups of hunter-gatherers who roam the countryside fishing, hunting animals, and gathering vegetables, fruit, and berries. These people are among the last in the world to continue this ancient way of life, but their lifestyle is under attack as the forests in which they live are felled for lumber.

Find out more

RICE GROWING: 135, 176, 197
 ROMAN CATHOLICS: 274
 TERRACE FARMING: 159, 173
 VOLCANOES: 13, 197

THE INDIAN OCEAN

MALDIVES

Capital city: Male
Area: 116 sq miles (300 sq km)
Population: 318,000
Official language: Dhivehi
Major religion: Muslim 100%
Government: Non-party democracy
Currency: Rufiyaa

COMOROS

Capital city: Moroni
Area: 838 sq miles (2,170 sq km)
Population: 768,000
Official languages: Arabic, French, Comoran
Major religions: Muslim 98%, other 2%
Government: Multiparty democracy
Currency: Comoros franc

MAURITIUS

Capital city: Port Louis
Area: 788 sq miles (2,400 sq km)
Population: 1,200,000
Official language: English
Major religions: Hindu 52%, Christian 28%, Muslim 17%, other 3%
Government: Multiparty democracy
Currency: Mauritian rupee

MADAGASCAR

Capital city: Antananarivo
Area: 226,656 sq miles (587,040 sq km)
Population: 17,400,000
Official languages: Malagasy and French
Major religions: Christian 41%, traditional beliefs 52%, Muslim 7%
Government: Multiparty democracy
Currency: Ariary

SEYCHELLES

Capital city: Victoria
Area: 176 sq miles (455 sq km)
Population: 80,469
Official language: French Creole, English, French
Major religions: Christian 98%, other 2%
Government: Multiparty democracy
Currency: Seychelles rupee

The dried salt is stored in baskets. Workers then carry the heavy baskets on their heads to a waiting truck.

THE THIRD LARGEST of the world's oceans, the Indian Ocean covers 28 million sq miles (73 million sq km) and contains some 5,000 islands, many of them surrounded by coral reefs. This ocean is unique because, unlike the Atlantic and Pacific, it has no outlet to the north. It contains both the saltiest sea (the Red Sea), and the warmest sea (the Persian Gulf) on Earth. The Indian Ocean is at risk from pollution, especially from oil tankers leaving the Persian Gulf. Monsoon rains and tropical storms can bring disastrous flooding to its northern coasts.



ISLAND PARADISE

The islands of the Indian Ocean include coral atolls, like the Maldives and Seychelles, that attract thousands of tourists every year. Although this brings money to the islands, it also threatens to damage the environment. Gradual erosion of the coral reefs also leaves the islands exposed to ocean tides and flooding. This Maldivian island has a barrier to protect it from sea damage.

CORAL ISLANDS

Coral is formed in warm waters by tiny creatures known as polyps. These marine creatures build limestone skeletons around themselves. Over many thousands of years, these skeletons gradually grow up toward the surface of the ocean to form a coral island. An atoll, shown right, is a form of circular coral reef that grows around an underwater volcano. As the volcano sinks, the coral forms an atoll. The water in the center is called a lagoon.



1. Corals grow in shallow waters around volcanic island.



2. Coral reef builds up as movements in the Earth's surface make the island sink.



3. Island finally disappears, leaving a coral atoll.



This port in Fremantle, Australia, handles freight from across the world.

SHIPPING ROUTES

More than 200 large ships a day sail around the Cape of Good Hope at the southern tip of Africa as they enter or leave the Indian Ocean. Many are vast tankers laden with oil from the Persian Gulf. Smaller ships are able to pass through the Suez Canal. On the other side of the Indian Ocean, ships pass through the Strait of Malacca carrying cargo to ports in eastern Asia.



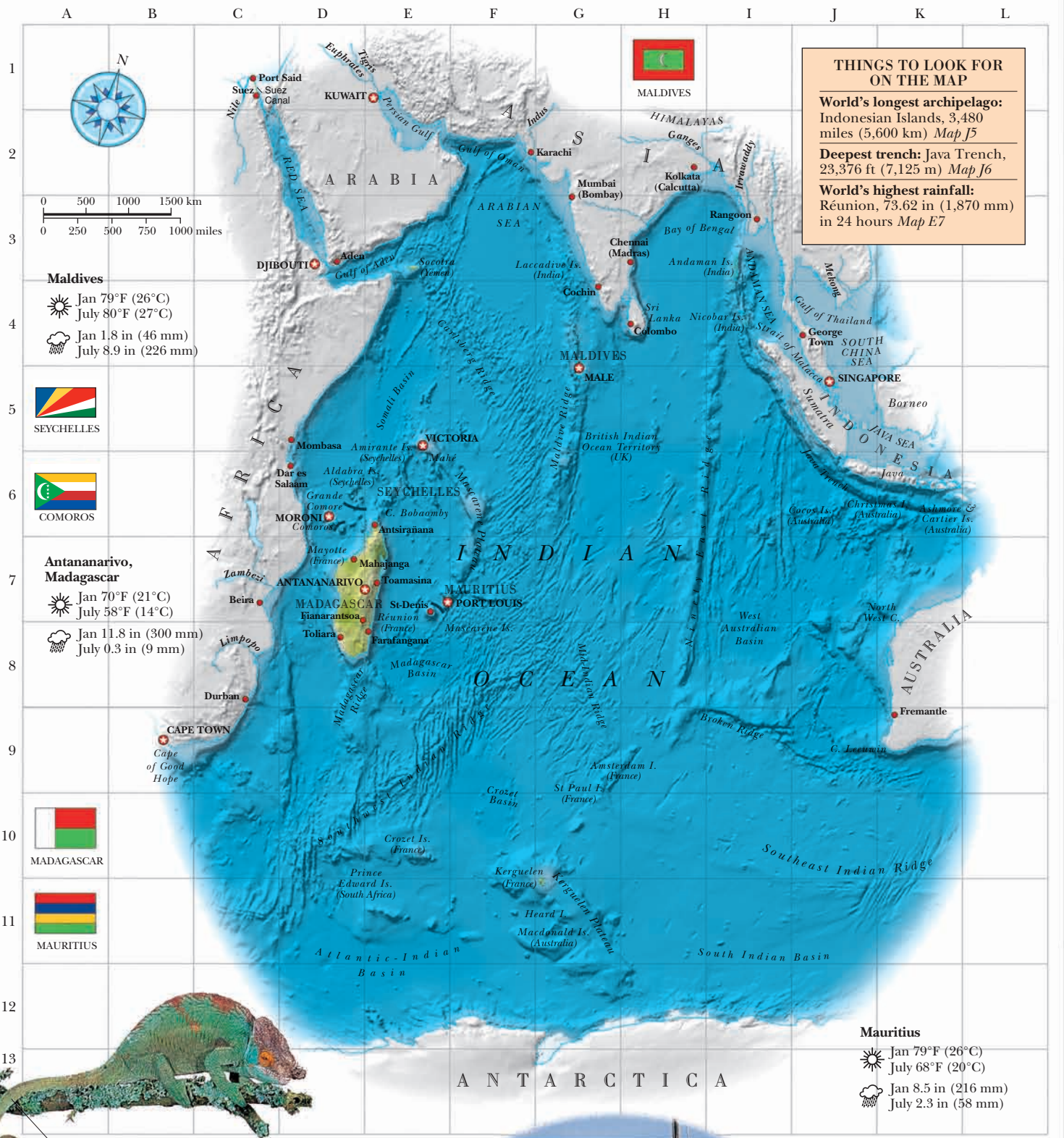
MADAGASCAR

Madagascar lies off the east coast of Africa and, because of its isolation, is home to many unique plants and animals. Most people in Madagascar scratch out a living by farming, clearing a new patch of land each year to plant their crops. One of the island's main crops is vanilla, grown for use as flavoring in food and drinks. Women traditionally have elaborate hairstyles that indicate the village they are from.



THE SALTY SEA

Oceans are salty because minerals dissolved from rocks by rivers are washed into them. Around the shores of the Indian Ocean, people extract the salt by channeling water into shallow pans. The Sun's heat evaporates the water, leaving salt behind, as shown here in Mauritius.



THINGS TO LOOK FOR ON THE MAP

World's longest archipelago: Indonesian Islands, 3,480 miles (5,600 km) *Map J5*

Deepest trench: Java Trench, 23,376 ft (7,125 m) *Map J6*

World's highest rainfall: Réunion, 73.62 in (1,870 mm) in 24 hours *Map E7*

Maldives
 Jan 79°F (26°C)
 July 80°F (27°C)
 Jan 1.8 in (46 mm)
 July 8.9 in (226 mm)

SEYCHELLES

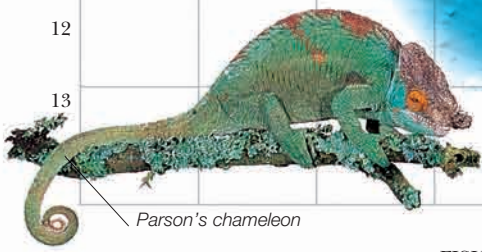
COMOROS

Antananarivo, Madagascar
 Jan 70°F (21°C)
 July 58°F (14°C)
 Jan 11.8 in (300 mm)
 July 0.3 in (9 mm)

MADAGASCAR

MAURITIUS

Mauritius
 Jan 79°F (26°C)
 July 68°F (20°C)
 Jan 8.5 in (216 mm)
 July 2.3 in (58 mm)



Parson's chameleon

WILDLIFE

Half of all the chameleons – a type of lizard – in the world are found on Madagascar. Although harmless, they are feared by local people who believe the animals represent human spirits not yet at rest. The chameleon is best known for its ability to change color when angry or frightened.

FISHING

Large-scale fishing is less developed in the Indian Ocean than in the Atlantic or Pacific because there are not as many areas of shallow sea. Most of the fish are caught by shore-based fishermen for family use or to sell in a local market.



Fishermen bring in the catch in the Maldives

These men are following a traditional method of fishing with a square net raised and lowered by wooden poles.

Find out more

CORAL REEFS: 47, 255, 258
 FISHING: 29, 76
 MONSOON: 166
 SUEZ CANAL: 216

AFRICA

THE SECOND LARGEST CONTINENT, Africa is a land of contrasts. To the north lies the great Sahara, the largest desert in the world, yet the central equatorial area is covered by dense tropical rain forests, while farther south a series of grassy plateaus (areas of flat highland) give way to narrow coastal plains. Major mountain ranges include the Atlas in the north and the Ruwenzori range on the Uganda-Democratic Republic of Congo border. Africa's highest mountain is Kilimanjaro, a dormant volcano, in Tanzania. To the east is the Great Rift Valley, which contains several huge lakes. Some of the world's longest rivers drain the continent, including the Nile, Niger, Congo, and Zambezi.



GREAT RIFT VALLEY

The Great Rift Valley stretches from Mozambique in the south, through eastern Africa and the Red Sea, into Syria. In most places the valley is 19–62 miles (30–100 km) wide, with steep sides rising up to 6,562 ft (2,000 m). The valley was formed as blocks of land sank between faults in the Earth's crust. In eastern Africa, the valley has two main branches. The Rift Valley is marked by volcanoes, hot springs, and a long chain of lakes.



LAKE VICTORIA

Lake Victoria is Africa's largest lake and the second largest freshwater lake in the world. Lying on the Equator, between Kenya, Tanzania, and Uganda, it covers about 26,828 sq miles (69,484 sq km) and reaches 269 ft (82 m) at its deepest point. The Nile River flows out of the northern end of the lake. Lake Victoria is rich in fish, which provide an important source of income for the large numbers of people living along the lake shores.



Millions of flamingos flock to Lake Turkana and other Rift Valley lakes to nest and feed on tiny water plants.

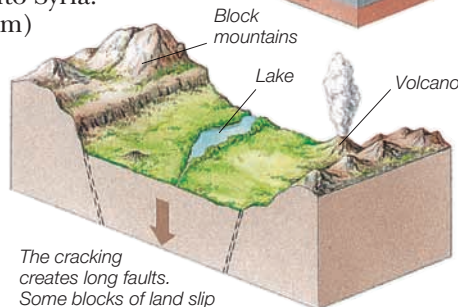
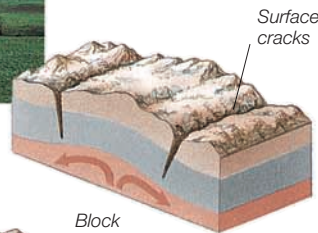


DESERTS

Africa has three huge deserts. The vast Sahara is the world's largest desert and dominates the northern third of the continent. Thousands of years ago the Sahara had a moist climate. Today, the path of wet winds blowing in from the sea is blocked by other winds blowing outward from the desert. The Namib and Kalahari deserts cover vast areas of southwestern Africa. Although it lies along the coast, the Namib Desert (shown here) is particularly barren and dry.

Formation of a rift valley

Movements deep within the Earth's crust cause stretching, and cracks appear on the surface.



The cracking creates long faults. Some blocks of land slip down between parallel faults to create a rift valley.



RAIN FORESTS

The world's second largest rain forest, after the Amazon, lies in central Africa. The Congo teems with plant and animal life, including rare creatures such as okapis. It was also the home of groups of pygmies, but many now live in settled villages, because vast areas of forest have been destroyed for logging and farming. One group, the Bambutu, still live in the northeastern forests of Democratic Republic of Congo.



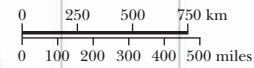
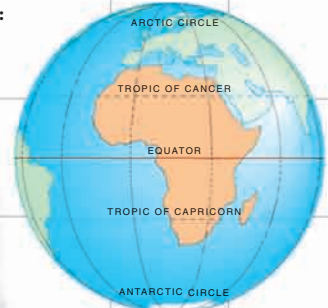
DRAKENSBERG MOUNTAINS

The highest mountains in southern Africa are the Drakensberg. They form part of the rim of a saucer-shaped plateau of high land called the Great Escarpment. In the local Zulu language, the mountains are known as *Quathlamba*, which means the "barrier of pointed spears." The highest peak, Thabana Ntlenyana, rises 11,424 ft (3,482 m) above sea level and is capped with snow in winter.



Lowest temperature:
Ifrane, Morocco,
-11°F (-24°C)

Highest temperature:
Al'Aziziyah, Libya,
136°F (58°C)



THINGS TO LOOK FOR ON THE MAP
Area: 11,633,846 sq miles (30,131,536 sq km)
Highest point: Mt. Kilimanjaro, Tanzania, 19,341 ft (5,895 m) *Map I9*
Longest river: Nile, Egypt/Sudan/Uganda, 4,187 miles (6,738 km) *Map H3*
Largest lake: L. Victoria, Tanzania/Uganda/Kenya, 26,828 sq miles (69,484 sq km) *Map I8*
Largest island: Madagascar, 226,660 sq miles (587,040 sq km) *Map K11*



NIGER RIVER

The Niger is Africa's third longest river. From its source in Guinea, it flows some 2,597 miles (4,180 km) across western Africa to its delta in Nigeria. Along its course, the Niger drains a river basin almost three times the size of France. The Niger's water is used for irrigation and hydroelectric power, but its usefulness for transportation is limited by its many waterfalls and rapids.

WILDLIFE

Africa has an amazing variety of wildlife. Huge herds of zebras and wildebeests roam the grassy plains, preyed on by lions and cheetahs. There are elephants, ostriches, and long-necked giraffes. Hippos wallow in rivers and swamps. In the rain forests live chimpanzees and gorillas, among the rarest animals on Earth.

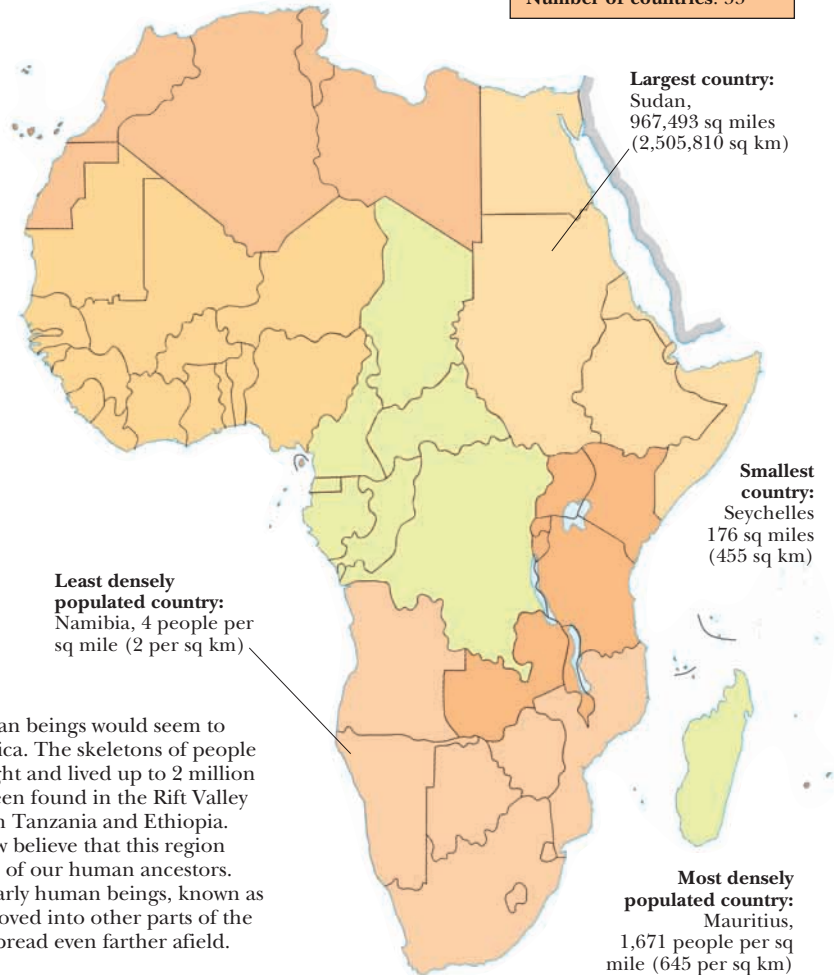


Lions are found on Africa's grassy plains, known as savanna.

PEOPLES OF AFRICA

Population: approximately 849,000,000 people
Number of countries: 53

AFRICA IS HOME TO about 849 million people – more than one in eight of the world’s population. The most densely populated areas are along the northern and western coasts, especially in the fertile valleys of the Nile, Niger, Congo, and Senegal rivers. The population of Africa is growing rapidly, as birth rates in many African countries are extremely high. Families are often large, and about half the population is young, below the age of 15. Although most Africans live in the countryside, a growing number are now found in towns and cities. Many people have moved because of poverty and lack of work in country areas; others have gone to escape civil wars, droughts, and famines.



Richard Leakey discovered some of the earliest known human remains in Africa’s Rift Valley.

THE FIRST PEOPLE

The history of human beings would seem to have begun in Africa. The skeletons of people who walked upright and lived up to 2 million years ago have been found in the Rift Valley that runs through Tanzania and Ethiopia. Archeologists now believe that this region was the birthplace of our human ancestors. From here, these early human beings, known as *Homo Erectus*, soon moved into other parts of the continent and rapidly spread even farther afield.

Percentage of population under 15 years of age



Egypt: 49% Ghana: 55% Ethiopia: 60% Tanzania: 62%

YOUNG POPULATION

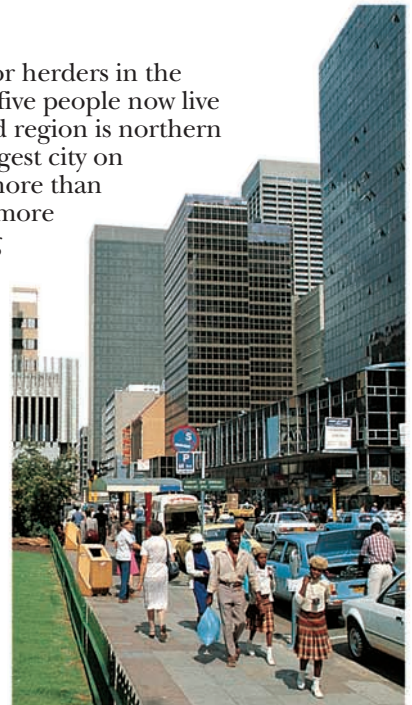
The population of Africa is growing rapidly. Improved medicine has generally decreased death rates, while birth rates remain very high. Women in countries such as Angola and Burkina Faso have six children each on average, whereas in North America and Europe they have only one or two. However, HIV infection is fast becoming widespread among young people and is likely to kill many in the near future.

TOWN AND COUNTRY

Most African people live as farmers or herders in the countryside. However, about one in five people now live in towns. The most heavily urbanized region is northern Africa, and Cairo, in Egypt, is the largest city on the continent with a population of more than 15 million. Several other cities have more than a million inhabitants, including Addis Ababa in Ethiopia, Kinshasa in the Congo, and Johannesburg in South Africa. The poor often live on the outskirts of the cities, in shantytowns.

BIGGEST URBAN POPULATION	
Libya	88%
Djibouti	84%
Gabon	83%
Tunisia	67%
Republic of the Congo	67%

SMALLEST URBAN POPULATION	
Rwanda	6%
Burundi	10%
Uganda	15%
Malawi	15%
Ethiopia	16%



Many people go to the cities on a temporary basis in search of work. In Johannesburg, shown here, migrants seek work in the gold and diamond mines.

THE PEOPLE

The vast Sahara separates the peoples of northern Africa, who are mostly Berbers and Arabs, like these Tunisian men, from those to the south, who are mostly Negroid. Northern Africa is predominantly Islamic, but south of the Sahara people follow a variety of religions, including Christianity and traditional animist beliefs. Two other groups are also important: there are about 8 million people of European descent, who live mainly in southern Africa, as well as a large number of Indians, who live along the eastern coast and in South Africa.



PEOPLES AND COUNTRIES

There are more than 600 ethnic or tribal groups in Africa, and only 53 countries. Many of today's national boundaries were created in the late 19th century by colonial rulers. Borders sometimes follow natural features, such as rivers, but often they just follow straight lines on a map. As a result, tribes are often split between different countries. The Ewe people, for example, are divided between Ghana and Togo. After independence, it has often proved difficult to create unity among the different peoples in one country.

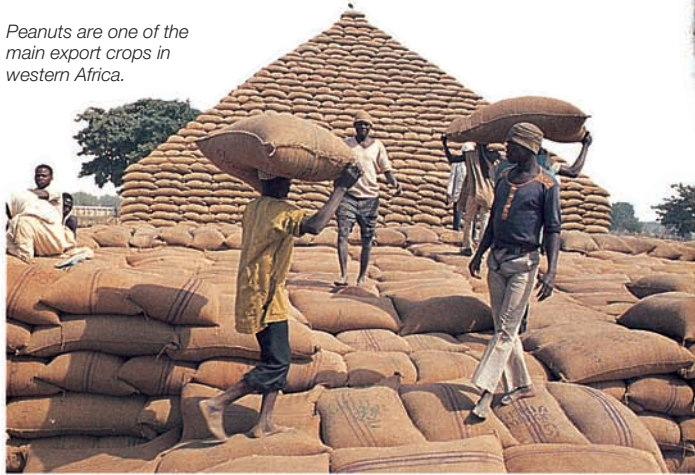


ART

Africa has produced a great variety of art from prehistoric times to the present. Often, art was related to ritual or tribal ceremonies, as well as being used for decoration. In many tribes the artist was given high status and art was often regarded as an essential part of religion. It is possible to isolate different areas and different practices of African art. From around 7000 BC rock drawings include representations of animals and hunters. Tribal art has become a way of distinguishing one tribe from another and can take many forms, including body painting and sculptural masks.

Bronze head of the Queen Mother of Benin, made by taking a clay mold from a wax sculpture.

Peanuts are one of the main export crops in western Africa.

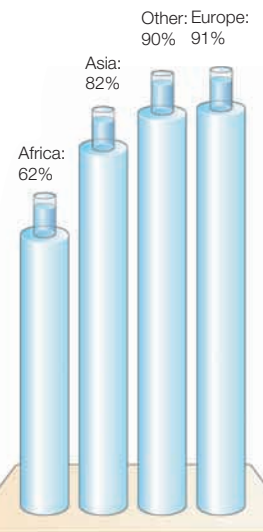


Groups of nomadic Fulani people are found throughout the area shaded brown on this map of western Africa. They roam across many countries.



These refugees at a camp in Rwanda are Hutu people from neighboring Burundi. War between the Hutu and Tutsi peoples has forced thousands of people in this region to leave their homes.

Percentage of people with access to safe water



ECONOMIC PROBLEMS

Most African countries rely on exporting raw materials, such as coffee, cocoa, or oil. In recent years, the prices of these products have fallen. In contrast, the cost of importing machinery and other manufactured goods has risen. Thus the amount that African countries can earn from their exports is often less than what they have to spend on imports. These factors, along with the growing population and the effects of drought and war, mean that the economies of many African countries are in difficulty.

FRESH WATER

Only around 62 percent of Africans have access to safe water. Often people must make long journeys to collect it and millions are forced to drink water that is contaminated by dangerous bacteria. The situation is worst across central Africa where the hot climate and lack of investment makes clean water scarce. Aid agencies have made access to clean water a key issue and have used funding to build safe water wells and educate people about the importance of hygiene.

NORTHWESTERN AFRICA

MOROCCO, ALGERIA, TUNISIA, LIBYA, and Western Sahara make up the northwestern corner of Africa. Most of the region's peoples are Arabic-speaking Muslims whose ancestors came to the area from the Middle East. From the 1530s to the 1830s, the region was part of the Turkish Ottoman Empire. It was then ruled by the colonial powers of France, Italy, and Spain, until the various countries gained independence in the mid-1900s. These countries are described as "middle income," thanks largely to their rich supplies of oil and gas.



ALONG THE COAST
The vast majority of northwestern Africa's 75 million people live along the narrow coastal plain that borders the Mediterranean Sea and the Atlantic Ocean. Here, the climate is warm and wet in winter and hot and dry in summer, making it more suitable for farming than the arid desert farther inland. Citrus fruits, dates, olives, tomatoes, and flowers are grown. The major towns and cities are located here, too.

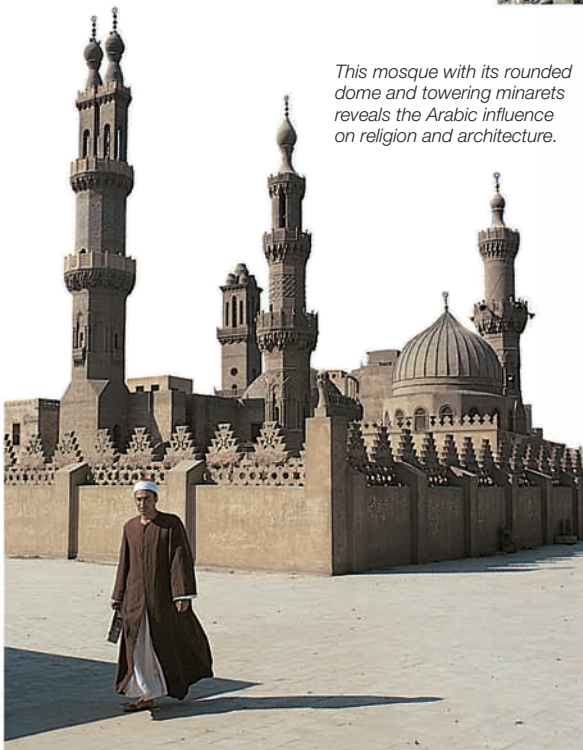
A GROWING POPULATION

One of the most serious problems facing northwestern Africa is the rapid growth of its population. In Algeria alone, the population increased 31 million between 1966 and 2000. Millions of people have moved from the countryside to the cities in search of work. This has led to severe housing shortages in the city centers and to the rise of overcrowded shantytowns on the outskirts.



Marrakesh, Morocco
 ☀ Jan 53°F (11°C)
 ☀ July 84°F (29°C)
 ☁ Jan 1 in (25 mm)
 ☁ July 0.1 in (3 mm)

In Salah, Algeria
 ☀ Jan 56°F (14°C)
 ☀ July 98°F (37°C)
 ☁ Jan 0.1 in (3 mm)
 ☁ July 0 in (0 mm)



This mosque with its rounded dome and towering minarets reveals the Arabic influence on religion and architecture.

ARAB INFLUENCE

The Arab invasions of the 7th and 8th centuries have had a long-lasting effect on northwestern Africa. The Arabs soon outnumbered the local Berber people who rebelled against their rule. They quickly established their own language, Arabic, and their own religion, Islam, throughout the region. Despite the later arrival of European colonists, northwestern Africa today, in its language, culture, religion, and architecture, remains firmly part of the Arab world.



SAHARA DESERT

Much of northwestern Africa is covered by the scorching sand and rocks of the Sahara Desert. The world's largest desert, the Sahara is expanding at an alarming rate as the land at its edges is overgrazed and gradually turned to dust. Despite daytime temperatures of up to 122°F (50°C), freezing nights, and years on end without rain, the desert is home to some amazing animals, adapted to survive the conditions.



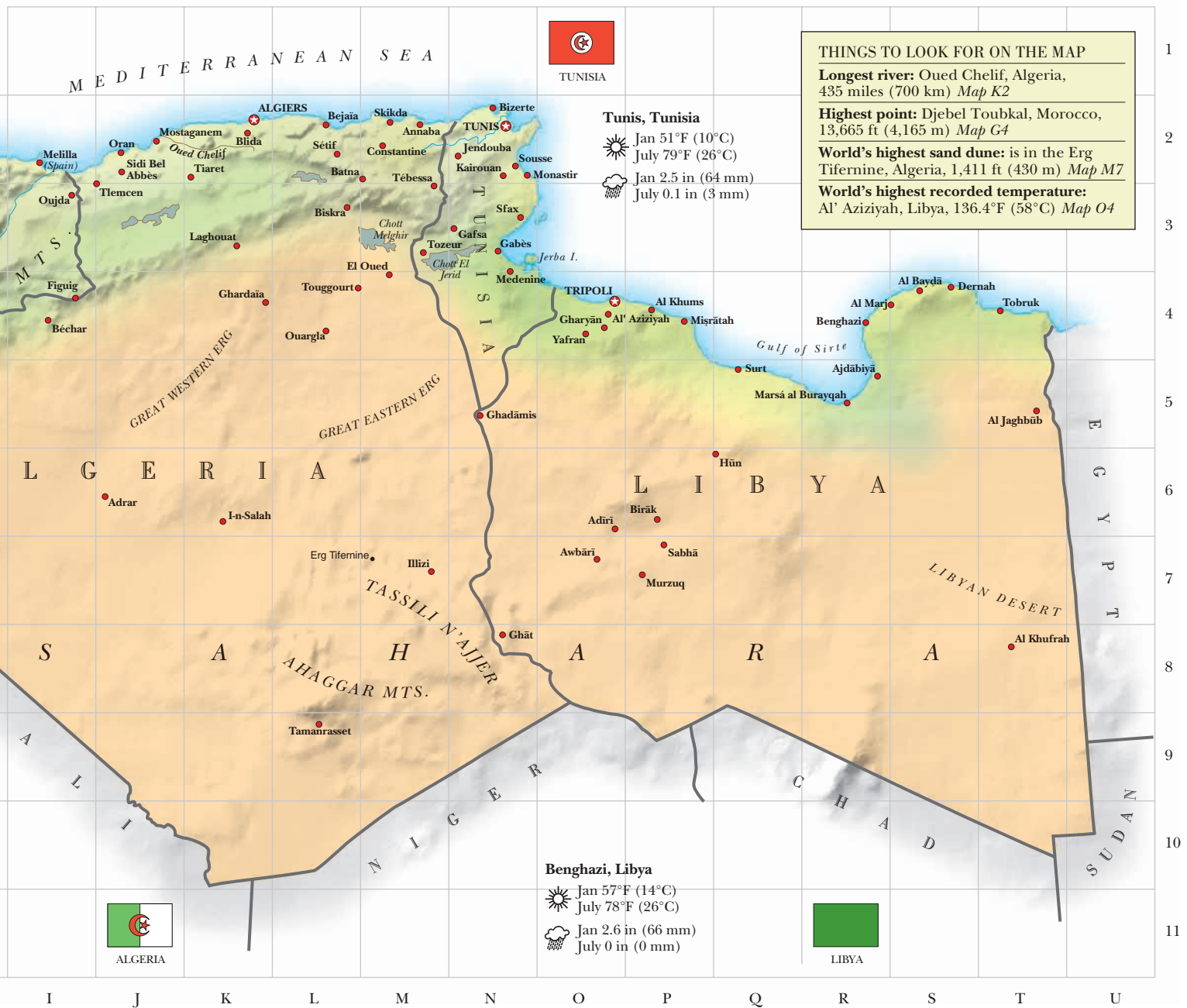
The fennec fox's huge ears let heat escape from its body, cooling it down.

The Tuareg ride on camelback, although motorcycles and four-wheel-drive trucks are increasingly used.



DESERT PEOPLES

Few people can survive in the harsh environment of the Sahara Desert. The hardy Tuareg are desert nomads who may travel vast distances a day, carrying salt to trade in markets. Traditionally, the Tuareg use camels for transportation and also to provide milk, meat, and hides. However, many Tuareg are now abandoning their centuries-old nomadic lifestyle and settling in cities.





MOROCCO

MOROCCO'S WARM CLIMATE, sandy beaches, and stunning mountain scenery make it a popular destination for vacationers. Tourism, along with agriculture and phosphate production, is vital to the country's economy. In 1956, Morocco gained its independence from the French, who had governed it since 1912. It is one of the few Arab countries to be ruled by a king, Mohammed VI. Since coming to the throne in 1999, King Mohammed has won international recognition for his moderate leadership. The main issues facing Morocco today are Islamic fundamentalism and the undecided fate of the Western Sahara region in the south.

MOROCCO*	
Capital city:	Rabat
Area:	172,316 sq miles (446,300 sq km)
Population:	30,600,000
Official language:	Arabic
Major religions:	Muslim 99%, Christian 1%
Government:	Monarchy with democratic system
Currency:	Moroccan dirham
Adult literacy rate:	51%
Life expectancy:	68 years
People per doctor:	2,000
Televisions:	160 per 1,000 people
* Figures include Western Sahara	

AN ISLAMIC CITY

The ancient Moroccan city of Fez is a good example of a traditional Islamic town. Each part has been designed with a purpose, as set out in the Koran, the Muslim holy book. The streets are narrow to provide shade, but wide enough to let a pair of fully laden camels pass through. Houses have small, high windows on street walls to guard their owners' privacy. In the city center stands the largest mosque, surrounded by the *souks*, or markets.



The numerous, carefully planned streets in the old city of Fez look chaotic from a distance.



BERBERS

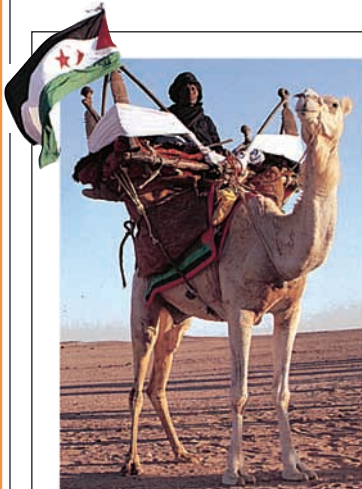
Since the Arab invasions of the 8th century, the local Berber people have lived in villages high up in the Atlas Mountains. Most Berbers converted to Islam, but kept their own culture and way of life. They call themselves *Imazighen*, or "people of the land." Today, about a third of Moroccans are Berber speaking, although most also speak Arabic and French.



Carpets with symbolic patterns and ornate metalwork lanterns are made by local people.

ARTS AND CRAFTS

Millions of tourists visit Morocco each year to relax on the beaches along the Atlantic coast or to explore the historical cities of Fez and Marrakesh. The cities' colorful *souks*, or markets, are a treasure chest of traditional goods and handicrafts, such as Moroccan leather, silver jewelry, and handwoven carpets.



A supporter of the Polisario in the Western Sahara

WESTERN SAHARA

This is a desert region south of Morocco with a population of some 200,000 people. It was formerly ruled by Spain. Since 1975, Morocco has been fighting a war for control of the region and its valuable mineral resources. Opposing the Moroccans are the Polisario, a guerilla force of desert tribesmen who want complete independence for the Western Sahara.



A phosphate-processing factory in the south of Morocco

ECONOMY

Morocco's economy depends on three major industries – tourism, agriculture, and phosphates. Farm products make up about a third of exports. The main crops are cereals, vegetables, citrus fruits, and dates. Irrigation systems pipe water to many dry areas for farming. Morocco is the world's third largest producer of phosphates, which are used to make chemicals and fertilizers. Large factories process the phosphates for export.

Find out more

- CARPET MAKING: 144, 155, 165
- IRRIGATION: 155, 156, 217
- ISLAM: 275
- MONARCHY: 270–271



ALGERIA	
Capital city:	Algiers
Area:	919,590 sq miles (2,381,740 sq km)
Population:	31,800,000
Official language:	Arabic
Major religions:	Muslim 99%, other 1%
Government:	Democratic government
Currency:	Algerian dinar
Adult literacy rate:	69%
Life expectancy:	71 years
People per doctor:	1,000
Televisions:	105 per 1,000 people

ALGERIA

STRETCHING FROM THE MEDITERRANEAN coast deep into the heart of the Sahara, Algeria is the second largest country in Africa. It won independence from France in 1962, after a bitter, eight-year struggle that claimed one million lives. During French rule, tens of thousands of Europeans arrived, many of them later leaving after independence. Since then, Algeria has played an important part in world affairs as a member of the United Nations and the Arab League. The main challenge facing the democratic government today comes from Islamic fundamentalists who support the setting up of an Islamic government.

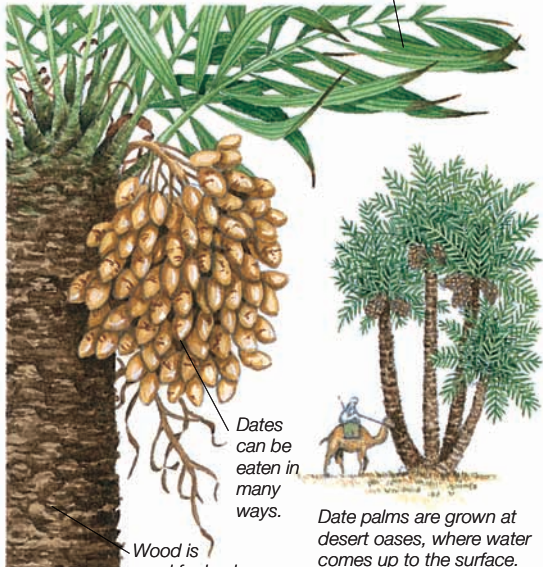


ALGIERS
Algiers, the capital of Algeria, is the country's largest city and most important port. The city was founded in the 10th century by Muslims from Arabia. It was seized by the Turks in 1518 and by the French in 1830. The French influence can still be seen in these buildings in the modern part of the city along the Bay of Algiers. The old city, with its narrow streets, mosques, and markets, stands on the slopes of the Sahel Hills.



The leaves of date palms are used for thatching.

Arabs selling local produce at a market in Ghardaia, Algeria



Dates can be eaten in many ways.

Wood is used for lumber.



Date palms are grown at desert oases, where water comes up to the surface.

FARMING

Algeria cannot grow enough crops to feed its rapidly increasing population and has to import about three-quarters of the food it needs. However, about a quarter of the workforce is employed in farming. Major crops include cereals, citrus fruits, grapes, olives, and tobacco. Figs and dates are important, too. Algeria is one of the world's leading producers of dates and of cork, which is made from cork oak bark. Dates are eaten fresh, dried, or ground into flour. Roasted and ground date pits are made into date coffee.

ETHNIC MIX

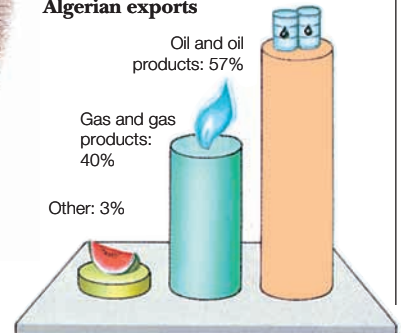
Almost 32 million people live in Algeria. Although the vast majority of Algerians are Arabs, about a fifth of the population is descended from the earlier Berber settlers. Arabic is the official language and Islam the main religion. Of the million or so Europeans who settled in Algeria before independence, only a few thousand remain. These include people of French, Spanish, and Italian descent.



TERRORIST ATTACKS

Islamic fundamentalists, like these members of the Islamic Salvation Front (FIS), are in open revolt against Algeria's government. Thousands of Algerians have died in recent years as a result of terrorist violence. Westerners have also been attacked and bombs have been planted in Paris and other French cities.

Algerian exports



ECONOMY

Algeria's economy is dependent on its oil and gas reserves. These come from large deposits in the Sahara. Oil production began in 1958. By 1979, it had reached 1.2 million barrels a day. Although falling world oil prices in the 1980s and 1990s caused a drop in oil production, the exploitation of natural gas has since increased. Algeria supplies both France and Italy with gas.

Find out more

COLONIAL PERIOD:	207
ISLAM:	275
OIL & GAS:	137, 152, 163, 211
SAHARA:	204, 209



TUNISIA

NORTHWESTERN AFRICA'S SMALLEST country, Tunisia lies between Libya to the south and Algeria to the west. Throughout its history, Tunisia has had close links with Europe. It was at the heart of the ancient empire of Carthage in the 4th century BC, and later became part of the mighty Roman Empire. In the 7th century, Tunisia was colonized by Muslim Arabs, and in the early 1880s by French forces. It became independent in 1956. The government has since been restructured and a multi party system introduced.

TUNISIA
Capital city: Tunis
Area: 63,169 sq miles (163,610 sq km)
Population: 9,800,000
Official language: Arabic
Major religions: Muslim 98%, Christian 1%, Jewish 1%
Government: Multiparty democracy
Currency: Tunisian dinar
Adult literacy rate: 73%
Life expectancy: 73 years
People per doctor: 1,429
Televisions: 334 per 1,000 people



A heap of steamed couscous served with roast chicken and sausages

Brightly dyed wool will soon be woven into carpets.



TUNISIAN FOOD

Traditional food is influenced by Arabic, Turkish, and French cooking. The national dish is couscous, a mix of semolina, meat, and vegetables. Spicy stews cooked in clay pots, called *tajines*, are also popular. For dessert, people eat fruit, dates stuffed with almond paste, or *baklava*, a sweet nut and honey pastry. To drink, there is strong black coffee or mint tea. Many Tunisian men go to cafés in the evening to meet friends and drink coffee.



A glass of strong, sweet mint tea

INDUSTRY

Until the collapse of world oil prices in the 1980s, Tunisia's major exports were oil and gas. Today, textiles and agricultural products have become much more important. Tunisia is also one of the world's leading producers of calcium phosphates, used to make chemicals and fertilizers. Most of the country's industries are located in and around the capital city, Tunis.

TOURISM

Tunisia's warm winter climate and historic sites attract numerous tourists each year. Until 1976, tourism was Tunisia's highest earner of foreign currency. Numbers fell in the early 1980s, but have now risen again to more than 5 million tourists per year. The government has encouraged the building of new hotels and the development of resorts to meet the growing demand. Hundreds of thousands of Tunisians work in the tourist industry.



-  Libya: 25%
-  Germany: 12%
-  France: 17%
-  Algeria: 14%
-  Other: 32%

Most tourists come from neighboring Algeria and Libya, and from Europe. Cheaper air travel and the search for an exotic vacation location have made Tunisia a favorite destination for Europeans.



ARTS AND CRAFTS

One of the liveliest parts of a Tunisian city is the *souk*, or market. The *souk* is a maze of narrow, winding streets, each crowded with traders and craftsmen selling their wares. Here, you can buy a wide range of traditional arts and crafts, including copper pots and pans, carpets, leather goods, jewelry, and embroidered cloth. Other stalls sell fish, meat, fruit, and vegetables.



Grapes grow well in Tunisia's light soil and strong sunshine.



Oranges and limes come from groves along the fertile coast.



Dates are grown in the desert oases in the dry south.

AGRICULTURE

About two-thirds of Tunisia is suitable for farming. Many areas suffer from a lack of rainfall and rely on irrigation to water crops. The main crops include cereals, such as wheat and barley, citrus fruits, grapes, figs, dates, and olives. Tunisia is the world's fourth largest producer of olive oil. Despite efforts to improve output, however, Tunisia still has to import many basic foods.

Find out more

OIL: 137, 152

163, 211

OLIVES: 130

POLITICAL SYSTEMS: 270-271



LIBYA	
Capital city:	Tripoli
Area:	679,358 sq miles (1,759,540 sq km)
Population:	5,600,000
Official language:	Arabic
Major religions:	Muslim 97%, other 3%
Government:	Dictatorship
Currency:	Libyan dinar
Adult literacy rate:	82%
Life expectancy:	72 years
People per doctor:	769
Televisions:	126 per 1,000 people

LIBYA

SITUATED ON THE MEDITERRANEAN COAST between Egypt and Algeria, Libya is the fourth largest country in Africa. It has been part of the Roman, Byzantine, Arab, and Ottoman empires, and from 1911 to 1943 was an Italian colony. The Sahara covers about 90 percent of the country, so farming is only possible along the coastal strip, where many people work as sheep or goat herders. The discovery of oil in 1959 very quickly transformed Libya from a poor to a wealthy country. Many foreigners have since arrived to work in the oil industry.

OIL AND GAS

The production of oil and gas dominates the Libyan economy, with oil making up 98 percent of the country's exports. Before oil was discovered, Libya's major exports were rushes (river plants) and scrap metal. Most of the oil is produced in western Libya, but there are also some offshore oil reserves.

As the oil industry has grown, so have Libya's cities, providing more houses, jobs, and services. Some 88 percent of the population now resides in cities. Before this, many people lived as farmers or nomads.

Where people live



88% live in cities

12% live in the country



FAMILY GROUPS

Most Libyans are Arabs, with some Berbers and Tuaregs in the south. Almost all are Muslim. They belong to large, extended family groups called tribes or clans. The clan is an important part of society and also has an influence on politics. Many of Colonel Gadhafi's government ministers are members of his clan. People's names often reveal which clan they belong to.



COLONEL GADHAFI

Since 1969, Libya has been ruled by Colonel Muammar Gadhafi, who overthrew the king to become president. Gadhafi rules through military committees. His politics are a very personal mix of socialism, Islam, and Arab nationalism. Since all political parties were banned in 1971, any opposition to Gadhafi's rule has to come from outside Libya. Colonel Gadhafi's support in the past for terrorist organizations has sometimes brought him into conflict with Western governments.



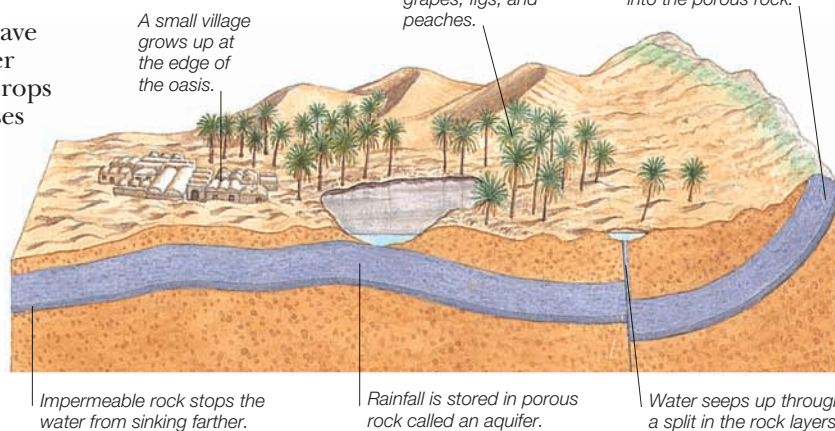
OASIS TOWN

In the vast, arid desert, small towns and villages have grown up around oases. Here, underground water rises to create rare patches of fertile land where crops are grown. The communities that live around oases rely on farming, receiving money from relations working in the cities, and dealing with passing traders. In the past, oasis towns were important stopping places for camel caravans transporting goods across the desert. Today, many of these journeys are made by truck instead.



ROMAN RUINS

Signs of Libya's rich classical past can still be seen in its many historical ruins. It has some of the finest Roman ruins in North Africa, such as the impressive site of Leptis Magna, which has a forum, aqueduct, and amphitheater (shown left). This port was founded by the Phoenicians in about 800 BC and became a major center for trade with Africa. It was then part of the Roman Empire, before the Arab invasions of the 7th century led to the city's downfall.



Find out more

- ISLAM: 275
- OIL: 137, 152, 281
- OIL WEALTH: 137, 278
- SAHARA: 204, 209

NORTHEASTERN AFRICA

NORTHEASTERN AFRICA CONTAINS EGYPT and Sudan, two desert lands watered by the Nile River, and the region known as the Horn of Africa, shaped like an animal horn, which consists of Somalia, Djibouti, Ethiopia, and Eritrea, which are among the poorest countries in the world. The boundaries that divide these countries date from the last 100 years and follow borders drawn up by the old colonial rulers of the area. However, many people that live here are nomadic herders and take little notice of the borders as they travel over vast areas in search of pasture for their animals.



BASIC TOOLS
Farming methods in the area are often inefficient, and simple tools, such as hoes, digging sticks, and sickles, are widely used. The ox-drawn scratch plow (above) is light and can be carried to scattered fields. But it only turns over the surface layer of the soil and does not allow nutrients to spread deeper, so after a few years, the soil is no longer fertile.



TROUBLED LANDS

In recent years the countries of Somalia, Sudan, Ethiopia, and Eritrea have been devastated by war. In 1993, Eritrea gained independence from Ethiopia after a civil war that lasted 20 years. Somalia has been torn apart by civil war between its rival groups, or clans. Conflict between the Arabic-speaking Muslims in the north and the African, non-Muslim peoples in the south of Sudan ravaged the country for years.

Thousands of Eritrean women fought alongside men in the war against Ethiopia, and many held positions of command.



INTERNATIONAL AID
Many parts of northeastern Africa have suffered from drought and famine in recent years. In 1984–85, a terrible famine swept through Ethiopia. It was caused by a combination of drought, warfare, and population growth. The famine drew the world's attention to the region and a huge international aid effort was launched, helped by the pop charity Band Aid.

The White Nile meanders slowly through the Sudd, a vast region of dense reed swamps in Sudan.

The White Nile and the Blue Nile meet at Khartoum in Sudan to form the Nile River.

Many birds, including storks, herons, and pelicans, make their home in the Sudd.

The Blue Nile begins at Lake Tana. It flows through the mountains of Ethiopia, collecting rainfall along the way.

Fertile farmland

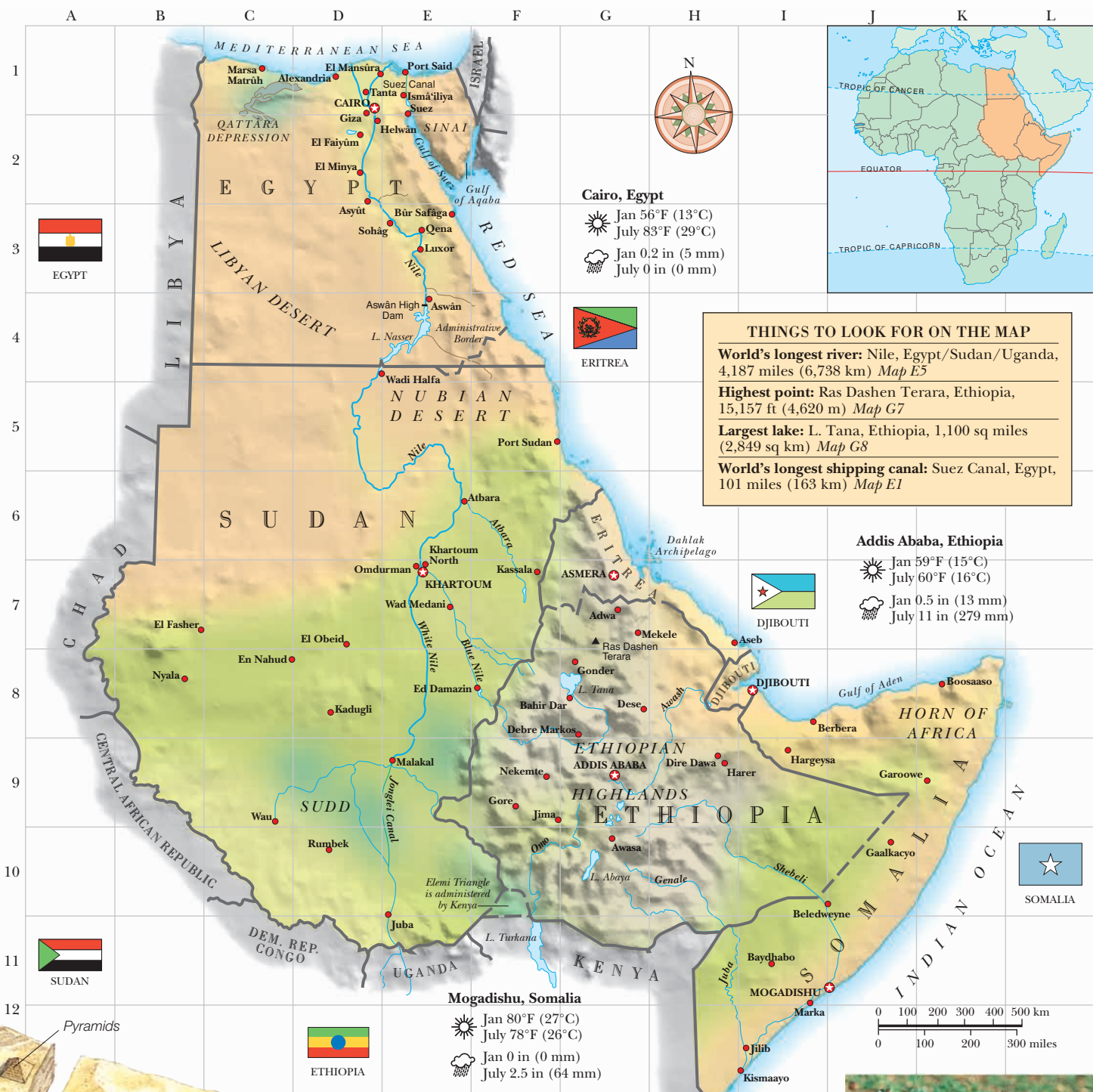
As the Nile reaches the border of Sudan and Egypt, it flows into Lake Nasser, one of the world's largest artificial lakes. The lake was created by the building of the Aswan High Dam.

North of the Aswan Dam, the Nile is surrounded by desert, but rich, fertile land lies along the banks of the river.

Feluccas are now mainly used by tourists.

THE NILE RIVER

The world's longest river, the Nile River, flows northward from Lake Victoria in Kenya, through the Sahara Desert, to the Mediterranean Sea. It passes through Ethiopia, Sudan, and Egypt, providing precious water for drinking, farming, and fishing. The river is also a major tourist attraction. People travel along the Nile on cruise liners and traditional sailing boats called *feluccas* to see the ancient sites of Egypt.

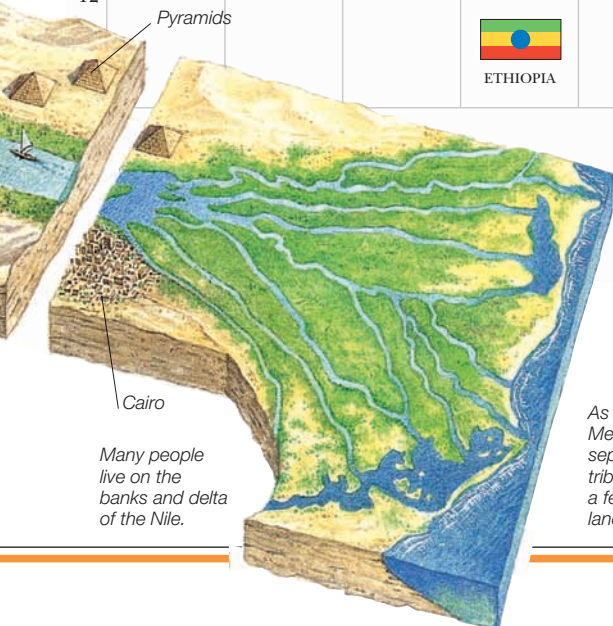
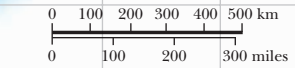


Cairo, Egypt
 ☀ Jan 56°F (13°C)
 ☀ July 83°F (29°C)
 ☁ Jan 0.2 in (5 mm)
 ☁ July 0 in (0 mm)

THINGS TO LOOK FOR ON THE MAP
World's longest river: Nile, Egypt/Sudan/Uganda, 4,187 miles (6,738 km) *Map E5*
Highest point: Ras Dashen Terara, Ethiopia, 15,157 ft (4,620 m) *Map G7*
Largest lake: L. Tana, Ethiopia, 1,100 sq miles (2,849 sq km) *Map G8*
World's longest shipping canal: Suez Canal, Egypt, 101 miles (163 km) *Map E1*

Addis Ababa, Ethiopia
 ☀ Jan 59°F (15°C)
 ☀ July 60°F (16°C)
 ☁ Jan 0.5 in (13 mm)
 ☁ July 11 in (279 mm)

Mogadishu, Somalia
 ☀ Jan 80°F (27°C)
 ☀ July 78°F (26°C)
 ☁ Jan 0 in (0 mm)
 ☁ July 2.5 in (64 mm)



New land has been formed in the delta by mud and rock deposited by the river.

As the river nears the Mediterranean Sea, it separates into many tributaries and forms a fertile triangle of land called a delta.

COTTON FIELDS
 Largely as a result of European colonization in the 19th and 20th centuries, cotton growing and processing are important industries in Egypt and Sudan. Production was begun in these areas by the British to provide cotton for their textile mills. The cotton is grown on large, highly mechanized farms that lie along the fertile banks of the Nile River.





EGYPT	
Capital city:	Cairo
Area:	386,660 sq miles 1001,450 sq km
Population:	71,900,000
Official language:	Arabic
Major religions:	Muslim 94%, other 6%
Government:	Multiparty democracy
Currency:	Egyptian pound
Adult literacy rate:	56%
Life expectancy:	69 years
People per doctor:	625
Televisions:	122 per 1,000 people

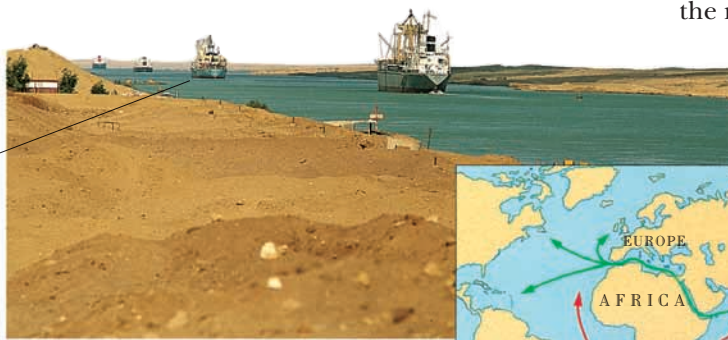
EGYPT

IT IS SAID THAT EGYPT is the gift of the Nile River. The site of one of the world's first great civilizations, Egypt grew up under the rule of the pharaohs along the banks of the Nile more than 5,000 years ago. Most of the country is dry, sandy desert with a narrow, fertile strip that follows the river valley and widens into the delta. This is where the vast majority of Egypt's population lives. Most of the people are Arab and follow the Muslim faith. The economy is dominated by farming, oil, tourism, income from ships passing through the Suez Canal, and money earned by Egyptians working abroad.



CAIRO

With a population of more than 15 million, Cairo is the largest city in Africa and one of the fastest growing. The city faces terrible housing problems. New arrivals often have to live in dirty, overcrowded slums. Some live among the graves of the City of the Dead, a huge cemetery on the outskirts of the city. People also live on the roofs of the many high-rise buildings in Cairo.



The Suez Canal is used by more than 20,000 ships every year.



Route before Suez Canal
Route after Suez was built

The Suez Canal offered a shortcut from Europe to India and East Asia. Earlier, ships from Europe had sailed around Africa.



FUL MEDAMES

This Egyptian dish is made by boiling fava beans with onions, vegetables, and spices. This may be eaten with an egg for breakfast. A similar mixture is used to stuff *aysh* (flat bread), making sandwiches.

SUEZ CANAL

The Suez Canal runs from the Red Sea to the Mediterranean Sea. It is the one of the world's largest and most important artificial waterways, providing a shortcut from Europe to India and East Asia. The canal was built with French and British help and was completed in 1869. It has since been made deeper and wider to allow for the increasing size of ships and tankers. In 1956 the canal came under Egyptian control. Today, the tolls taken from the ships that use the canal are an important source of income for the Egyptian government.



The Sphinx, built of soft sandstone, has the body of a lion and the head of a man.

ANCIENT SITES

Egypt is littered with ancient monuments. Every year, millions of tourists flock to Egypt to see the pyramids and other sites, or to take a boat trip on the Nile River. The pyramids, built more than 4,000 years ago as tombs for the pharaohs, are one of the seven wonders of the ancient world and the only one to survive.

FARMING IN EGYPT

Many Egyptian farmers, or *felahin*, use traditional farming methods to grow cotton, wheat, rice, sugar, fruit, and vegetables. Egypt is the world's second largest producer of dates. Another important crop is *berseem*, a type of clover grown for animal feed. Egypt is also one of the world's biggest cotton growers. Many people are employed in the textile industry, spinning, weaving, and dyeing the fine-quality cotton to make clothes and other goods.



THE NILE RIVER
Some 99 percent of Egyptians live in the valley or delta of the Nile River. The river is Egypt's lifeline, providing water for farming, industry, and home use. When the Aswan High Dam was built on the Nile, it created the world's largest reservoir, Lake Nasser.



Cool and comfortable cotton tunics, called jellabas, are often worn by Egyptian men.

Find out more	
CITIES:	17, 206
COTTON:	36, 215
ISLAM:	275
NILE:	214



SUDAN

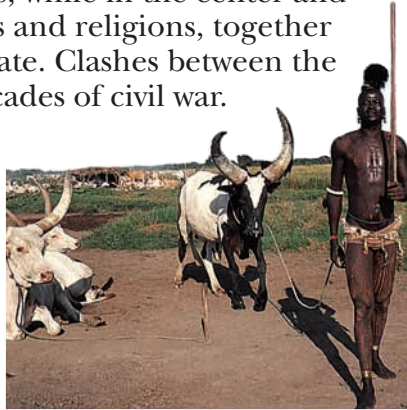
Capital city: Khartoum
Area: 967,493 sq miles (2,505,810 sq km)
Population: 33,600,000
Official language: Arabic
Major religions: Muslim 70%, traditional beliefs 20%, Christian 9%, other 1%
Government: Military government
Currency: Sudanese dinar
Adult literacy rate: 60%
Life expectancy: 58 years
People per doctor: 10,000
Televisions: 87 per 1,000 people

SUDAN

SUDAN, THE LARGEST COUNTRY in Africa, is one of the poorest and least developed countries in the world. The Nile River flows from south to north, and most people live along its fertile banks. The landscape ranges from rocky desert in the north to swampland in the south. Sudan is also divided culturally. The people of the north are mainly Arabic-speaking Muslims, while in the center and south, African languages and religions, together with Christianity, dominate. Clashes between the two sides have led to decades of civil war.

NOMADIC LIFE

Many of Sudan's tribal people live by herding cattle, moving from place to place in search of fresh pasture. The more cattle a person owns, the greater his importance in the tribe. The civil war has disrupted the lives of many herders, destroying their pastures and their herding routes.



The Dinka tribe are nomadic cattle herders who live on the plains east of the Nile.



WATERING THE LAND

Much of Sudan is too dry to live or farm in, and large areas of suitable farmland have been destroyed by war. The majority of people live by the Nile River and use its water to irrigate their fields. Two-thirds of workers make their living from the land, growing crops such as cotton, peanuts, gum arabic, millet, and dates. A large-scale irrigation program set up by the government has helped farmers to grow more crops for export.



Flat-roofed houses built of mud brick are common in northern Sudan.

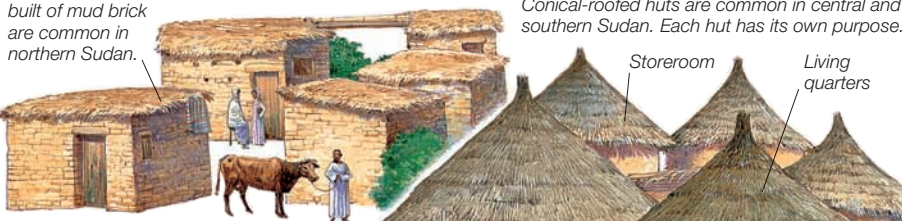
TRIBES

The people of Sudan are divided into more than 500 different tribes and groups speaking more than 100 languages and dialects. Each tribe shares a common ancestor. Many, such as the Dinka and Juhaynah tribes, are nomadic. Others have settled in particular areas, such as the Shilluk tribe, a farming group living on the west bank of the Nile. The people shown left are from the Beni Amer tribe, a Muslim group.



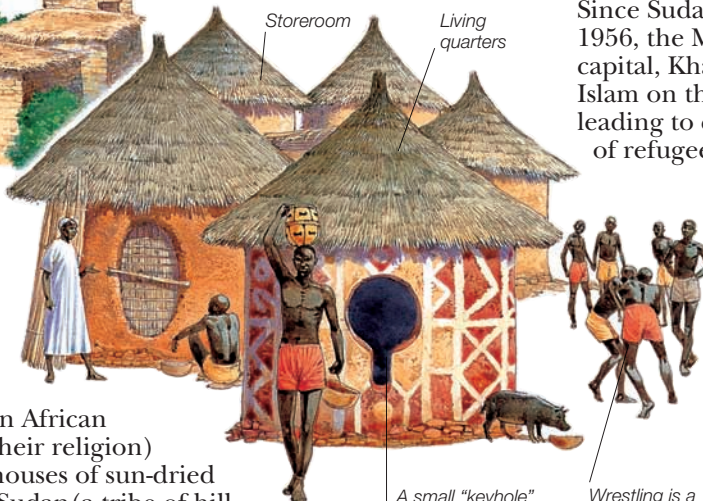
KHARTOUM

Since Sudan became independent in 1956, the Muslim government in the capital, Khartoum, has tried to impose Islam on the rest of the population, leading to civil war and famine. Millions of refugees have poured into Khartoum from the south and west to escape the fighting and to find food and work. Many now live in shantytowns on the outskirts of the city.



HOUSING

Life in the Arab north of Sudan is very different from that of the African south. There are differences in language, religion, customs, and style of housing. The Nubian people of the north (an African people who adopted Islam as their religion) build rectangular, flat-roofed houses of sun-dried bricks. The Nubians of central Sudan (a tribe of hill farmers) build round huts with conical roofs made of grass, wooden poles, and millet stalks.



A small "keyhole" doorway helps keep the hut warm and dry inside.

Wrestling is a popular sport among the Nuban people.

Find out more

IRRIGATION: 155, 156
PEOPLES OF AFRICA: 206–207
REFUGEES: 207
RELIGION: 274–275



ETHIOPIA

Capital city: Addis Ababa

Area: 435,184 sq miles (1,127,127 sq km)

Population: 70,700,000

Official language: Amharic

Major religions: Muslim 40%, Christian 40%, indigenous beliefs 15%, other 5%

Government: Provisional government

Currency: Ethiopian birr

Adult literacy rate: 42%

Life expectancy: 42 years

People per doctor: 33,333

Televisions: 5 per 1,000 people

ETHIOPIA

A LAND RICH in its own unique traditions, Ethiopia has in recent years suffered from drought, famine, and warfare. In 1984–85, a terrible famine, caused by a combination of civil war, drought, overpopulation, and overfarming, struck the northern highlands. During this time, Ethiopia was involved in a long, bitter war with the Eritreans, which only ended in 2000. Four out of five Ethiopians live off the land, growing crops such as *teff* (a type of grass) or herding cattle. Coffee is Ethiopia’s major export crop. It is mostly grown in the mountains of Kaffa province, from which it gets its name.

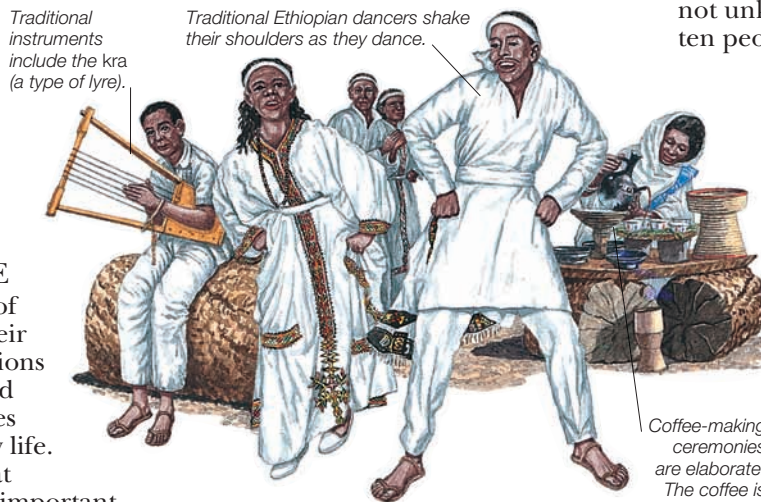


ADDIS ABABA

The capital, Addis Ababa, is the biggest city in Ethiopia, with some 4 million inhabitants. It is a rapidly growing city, home to many refugees from the north and Eritrea. Housing is in short supply and there are about 20,000 children living on the streets. Many people live in crowded slums without toilets or running water. It is not unknown for a family of eight to ten people to share one room.

MUSIC AND DANCE

There are many groups of Ethiopians, each with their own language and traditions in storytelling, music, and dance. Traditional dances tell stories from everyday life. The music and songs that accompany them are an important means of passing on information about local cultures and customs.



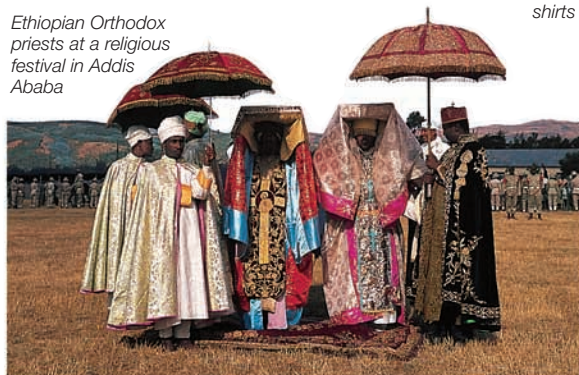
Traditional instruments include the kra (a type of lyre).

Traditional Ethiopian dancers shake their shoulders as they dance.

Traditional dress consists of an embroidered white dress and shawl for women, and white shirts and pants for men.

Coffee-making ceremonies are elaborate. The coffee is brewed with added spices, incense is burned, and grass spread over the floor.

Ethiopian Orthodox priests at a religious festival in Addis Ababa



ETHIOPIAN CHURCH

The Ethiopian Orthodox Church can be traced back to the 4th century. Its most impressive monuments are the 12th-century churches in the village of Lalibela, which are carved out of solid rock. The Ethiopian Church has similarities with other Eastern churches and some Jewish customs have been retained, but its colorful ceremonies and festivals have their own distinctive flavor.



FIREWOOD

Women are responsible for cutting, carrying, and selling firewood, a major source of fuel and income. Much of Ethiopia’s forests have now been destroyed, however. This has led to the soil, no longer protected by trees, being blown or washed away and to the loss of valuable farmland.



A typical vegetable dish made from cabbage, carrots, garlic, and red lentils

Wot, made from red onions, chilies, garlic, ginger, and other herbs and spices, is added to meat and vegetable dishes.



Chicken stew, made from chicken, egg, and red peppers

Injera

Beef stew, made from beef, cinnamon, peppers, red chili, and tomatoes

Hard-boiled eggs are often eaten with the meal.

FOOD

The national dish of Ethiopia is *injera*, a type of soft, flat bread made from *teff*, eaten with a mixture of meat and vegetables. These are cooked in a hot, spicy sauce, called *wot*. Traditionally, the sauce is served on top of the *injera*. Raw beef, served with hot spices and melted butter, is eaten at festival times.

Find out more

- CHRISTIANITY: 274
- CITIES: 17, 206
- COFFEE: 50, 62, 66
- SOIL EROSION: 55, 244



SOMALIA

Capital city: Mogadishu
Area: 246,199 sq miles (637,657 sq km)
Population: 9,900,000
Official languages: Somali, Arabic.
Major religion: Muslim 98%, Christian 2%
Government: None at present
Currency: Somali shilling
Adult literacy rate: 24%
Life expectancy: 47 years
People per doctor: 20,000
Televisions: 15 per 1,000 people

DJIBOUTI

Capital city: Djibouti
Area: 8,880 sq miles (23,000 sq km)
Population: 5,500,000
Official languages: Arabic, French
Major religions: Muslim 94%, other 6%
Government: Multiparty democracy
Currency: Djibouti franc
Adult literacy rate: 66%
Life expectancy: 44 years
People per doctor: 10,000
Televisions: 45 per 1,000 people

ERITREA

Capital city: Asmera
Area: 46,842 sq miles (121,320 sq km)
Population: 4,100,000
Official languages: Tigrinya, Arabic, English
Major religions: Christian 45%, Muslim 45%, other 10%
Government: Provisional government
Currency: Nakfa
Adult literacy rate: 57%
Life expectancy: 51 years
People per doctor: 20,000
Televisions: 14 per 1,000 people

SOMALIA

SOMALIA GAINED INDEPENDENCE from Italy and Britain in 1960. However, this diverse country with a rich history did not achieve peace. Since 1991, Somalia has been torn apart by civil war, resulting in widespread famine. Many Somalis are nomadic herders, wandering through the dry, barren countryside with their camels, sheep, and goats in search of food and water.



RELIEF CAMPS

Since war broke out, many thousands of Somalis have moved into relief camps for food, safety, and shelter. The troubles, however, have made it difficult for international aid to be distributed. Up to one million Somalis sought refuge in neighboring countries, although many began to return as the fighting decreased in 2000 and 2001.



MOGADISHU

Mogadishu is the capital of Somalia and its major port and commercial center. The various styles of the buildings reflect the history of the country. Arabs settled there in the 9th century, and it became a European colony in the 19th century.

WOMEN'S DRESS

Many Somali women wear a cotton, sarilike garment, called a *guntimo*, and a shawl, called a *garbasaar*. Unlike many Muslims in other countries, Somali women do not wear veils that cover the face.

DJIBOUTI

THE SMALL, MAINLY DESERT country of Djibouti became independent in 1977. Many of its people are nomads. Djibouti is of great importance to this part of Africa because of its port and capital city, also called Djibouti. The country's economy relies almost entirely on income from the port.



Fishing is a developing industry in Djibouti. Fishermen set out from the port of Djibouti on the Gulf of Aden.

ERITREA

AFTER 20 YEARS OF WAR, the mountainous land of Eritrea effectively became independent of Ethiopia in 1991. However, relations remained tense and a new war broke out in 1998. Ethiopian troops finally left the country in 2001, leaving the Eritrean people to rebuild their shattered economy.



This theater in Asmera, the capital of Eritrea, is an example of the fine Italian-style architecture found in parts of the city. Eritrea was once an Italian colony.

Find out more

COLONIAL PERIOD: 207
 DESERTS: 15, 204, 209
 ISLAM: 275
 REFUGEES: 207

WEST AFRICA

MANY CENTURIES AGO, great civilizations such as the Ashanti and Mali were thriving in the region now known as West Africa. Word of rich gold deposits brought Europeans flocking here, and by the 1880s they had colonized nearly all of this vast region. West Africa did not win back its independence until the 1960s. Although this region is rich in oil, gold, lumber, and other natural resources, most of the 15 countries in West Africa are very poor. There are large numbers of ethnic groups here – more than 200 different peoples in Nigeria alone. The combination of poverty and clashes between different peoples has made political turmoil another all-too-familiar feature of the region.



RELIGION
West Africa divides roughly into northern and southern regions where the landscape and climate are concerned, and this also applies to its religions. Islam is dominant in the north, while there are more Christians in the south. Throughout the region, many people follow ancient traditional religions such as voodoo, which is especially strong in Benin.



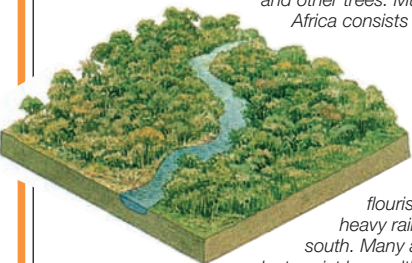
Desert
The burning Sahara forms the northern "lid" of West Africa. Very little grows here. The border of the desert advances or retreats, depending on how dry it becomes in neighboring areas.



Sahel
The arid northern grasslands that border the desert are called sahel – the word means "shore" of the desert in Arabic. Few trees can survive in this region.

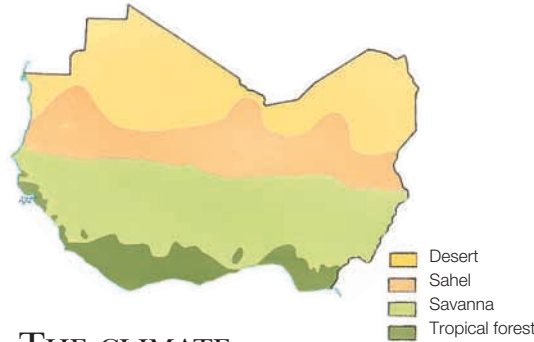


Savanna
Moving south, a little more rain falls in the vast expanses of savanna – grassland scattered with acacias, baobabs, and other trees. Much of West Africa consists of savanna.



Tropical forest
Moist forests flourish under the heavy rains of the far south. Many animals and plants exist here, although there are not as many different species as in the rain forests of central Africa.

Climate zones in West Africa



THE CLIMATE

If you were to set out on a journey from north to south across this huge region, you would pass through a fascinating variety of hot, tropical landscapes. The vegetation of each zone has developed because of the amount of rain that falls there. Plenty of rain falls in the far south, whereas the arid northerly region is prone to serious drought. In some parts, there is a distinct wet season that lasts about 4–6 months, but no rain at all falls for much of the rest of the year.

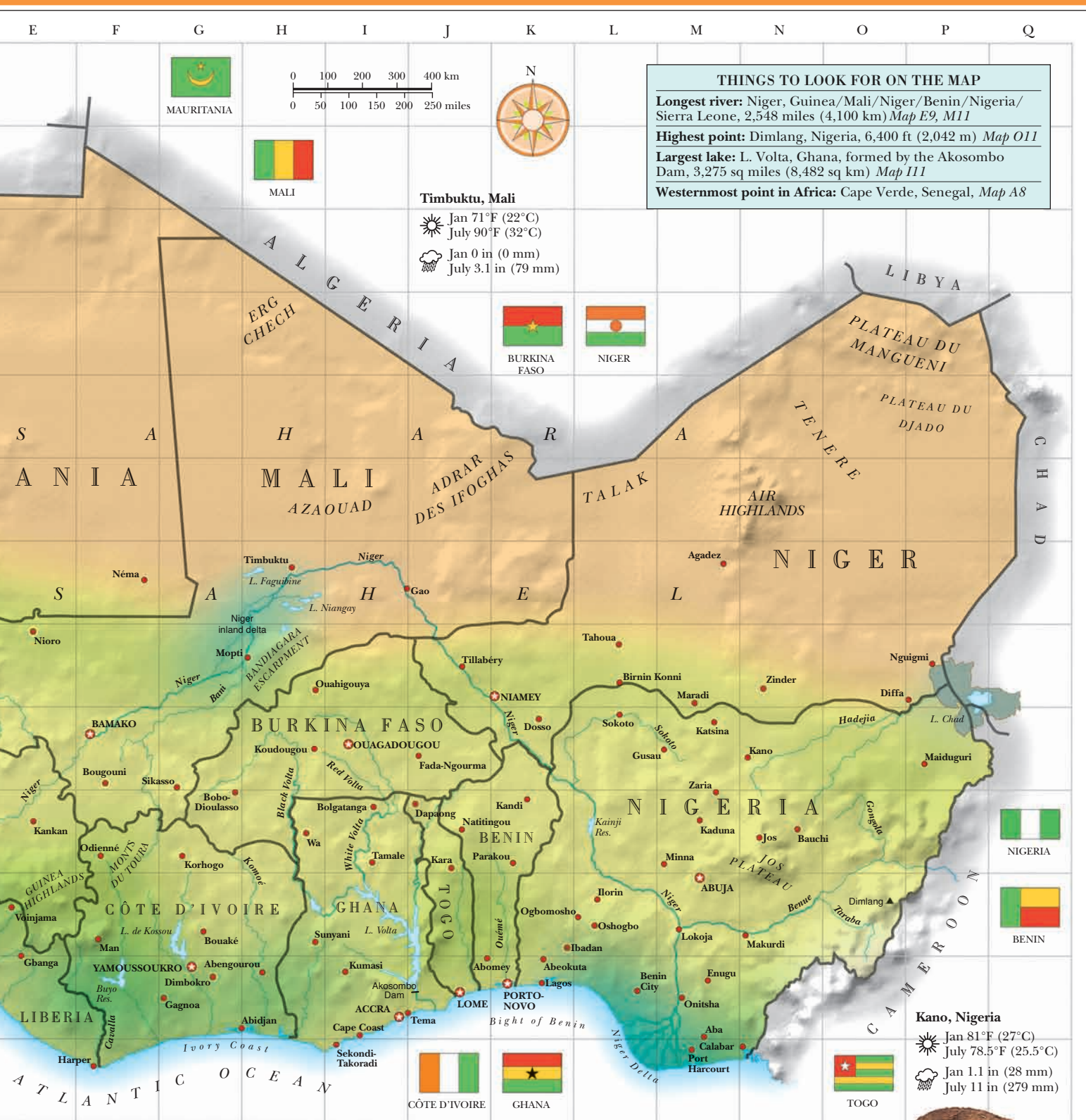


There are many nomadic cattle herders in Burkina Faso, which lies in the dry sahel region.



WEST AFRICAN FARMERS

This region is home to two very different types of farmer – settled and nomadic. Settled farmers live near small plots of land on which they grow enough to feed their families, and perhaps grow some cash crops, such as cocoa or oil palms. Nomadic cattle herders, such as the Fulani, roam constantly across the region in search of good grazing land. They are more common toward the drier north, where the land is not as fertile for agriculture.



FOOD CROPS

The cereals millet and rice are grown widely across West Africa. Millet is common in the drier north, but where there is more rainfall, rice and root vegetables such as yams and cassava can be grown. Among the region's popular dishes are peanut stew and Jollof Rice, a Senegalese recipe that mixes rice with tomatoes, onions, and spices and is served with fried meat. Cassava and yams are also favorites, boiled and eaten with goat, chicken, or fish.





MAURITANIA

Capital city: Nouakchott
Area: 397,953 sq miles (1,030,700 sq km)
Population: 2,900,000
Official language: Arabic
Major religion: Muslim 100%
Government: Multiparty democracy
Currency: Ouguiya
Adult literacy rate: 41%
Life expectancy: 51 years
People per doctor: 10,000
Televisions: 91 per 1,000 people

NIGER

Capital city: Niamey
Area: 489,188 sq miles (1,267,000 sq km)
Population: 12,000,000
Official language: French
Major religions: Muslim 85%, traditional beliefs 14%, other 1%
Government: Multiparty democracy
Currency: CFA franc
Adult literacy rate: 17%
Life expectancy: 46 years
People per doctor: 25,000
Televisions: 27 per 1,000 people

MAURITANIA

COVERING AN AREA TWICE THE SIZE of Spain, but with a population smaller than Madrid's, Mauritania is one of the emptiest countries in the world. In recent years, many of the people have left the countryside to live and work in the towns, and Nouakchott, the capital, has grown from 20,000 people in 1960 to more than 900,000 today. The country is dominated by the Arab Maures (Moors) from the north, but their political control is resented by the black peoples from the south. Mining is an important industry – Mauritania is rich in phosphates, copper, gold, and other minerals. Drought is a major problem in this region.

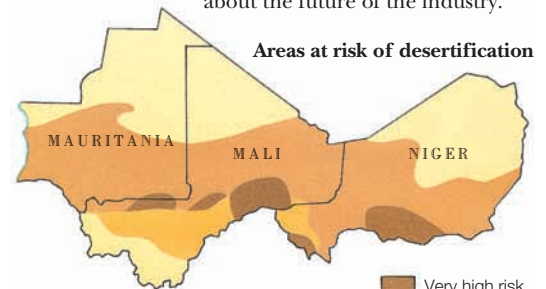


Projects like this one for planting trees and grass to hold the soil in place are helping to stop erosion.



FISHING

Fleets from all over the world come to fish off the coast of Mauritania, where some of the richest fish stocks in West Africa are found. By law, all fish caught here must be landed and processed in Mauritania before they are exported to overseas markets. However, overfishing of the seas by fleets of trawlers has led to concern about the future of the industry.



This map shows the areas of West Africa that are at risk of turning into desert.

Very high risk
 High risk
 Medium risk

THE SAHEL

Two-thirds of Mauritania is covered by the Sahara, and only the land along the Senegal River is suitable for farming. The semidesert land in between, known as the Sahel, is the grazing land for nomadic farmers. This area suffers from frequent droughts and from soil erosion, made worse by people cutting down the few trees for firewood and by overgrazing cattle. For these reasons – both natural and human – the Sahel is gradually becoming more desertlike.

NIGER

THE VAST STATE OF NIGER is completely surrounded by other countries. Its main link to the sea is the Niger River, the only major river in the country. Most of Niger's 12 million people live in the semi-desert Sahel region, which stretches in a narrow ribbon across the south of the country. North of the Sahel lies the vast and inhospitable Sahara, home to the nomadic Tuareg peoples. Niger has few natural resources aside from uranium, which brought in considerable wealth during the 1980s. Most of the people, however, remain poor, earning their living herding flocks or growing crops in the few fertile parts of the country.



THE TUAREG

As a result of frequent droughts in northern Niger, many Tuareg lost all their animals and were forced to give up their nomadic lifestyle. Many moved south to the towns in search of food and work. In reaction to this enforced move, some Tuareg have campaigned for a country of their own.



FARMING

Every year, the Niger River floods. As the floodwaters retreat, local farmers quickly plant crops of cereals, rice, vegetables, peanuts, and cotton in the fertile soils left behind. The banks of the Niger also provide pasture for cattle and other livestock reared for meat and milk.

Find out more

NIGER RIVER: 205
 SAHEL: 220
 SOIL EROSION: 55, 244
 TUAREG: 209



MALI

THE LANDSCAPE OF MALI ranges from the vast desert plains of the Sahara in the north, through the semidesert Sahel region in the center, to wetter savanna in the south. A thin belt of fertile land stretches on each side of the Niger and Senegal rivers. The country gets its name from the great Muslim empire of the Malinke people, which flourished in this region in the 13th and 14th centuries. Today, Mali is a poor country where most people make their living from farming or herding cattle.

MALI	
Capital city:	Bamako
Area:	478,764 sq miles (1,240,000 sq km)
Population:	13,000,000
Official language:	French
Major religions:	Muslim 80%, traditional beliefs 18%, Christian 1%, other 1%
Government:	Democracy
Currency:	CFA franc
Adult literacy rate:	26%
Life expectancy:	41 years
People per doctor:	10,000
Televisions:	12 per 1,000 people

The Niger River at Bamako, in southern Mali



THE NIGER

The Niger River is the lifeline of Mali, flowing through the country from west to east before turning south to pour into the Atlantic Ocean. Most people in the country live along its banks, using the river as a source of water and food and as a main means of transportation. The capital of Mali, Bamako, on the upper reaches of the river, is a major port, shipping cement and fuel downriver, and receiving rice and peanuts for export in exchange.

RICE GROWING

In the center of Mali, the Niger River splits into several branches. This area is called the river's inland delta, and is one of the most fertile regions of the country. Here, as the river begins to flood, farmers plant a special "floating" rice that grows up to 12 in (30 cm) a day to keep pace with the rising waters. When the crop is ready, the farmers harvest it from boats.



MOSQUES

Islam arrived in Mali with merchants traveling across the Sahara from the Arab north. By the 13th century, Mali was entirely Muslim, with mosques built in most towns. Mosques like this one at Mopti are constructed of clay around a wooden framework that sticks out in turrets above the roof. The wooden beams jutting out through the walls allow villagers to climb all over the building to carry out its annual repairs.



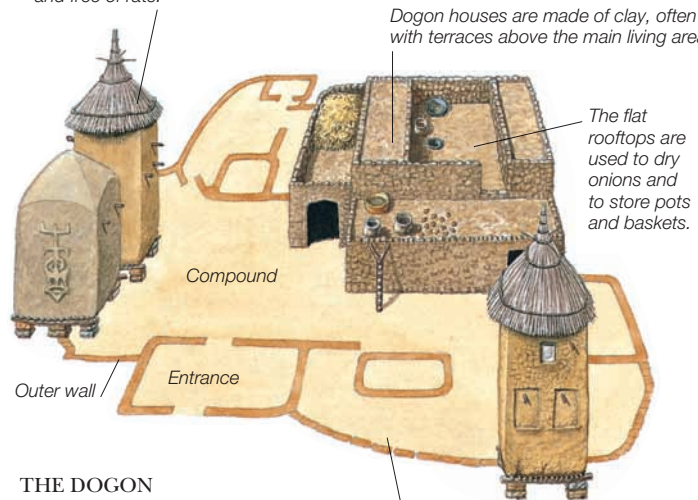
TIMBUKTU

Founded by Tuareg nomads in 1100, Timbuktu became one of the most famous cities in Africa. Because of its position on the trade route across the Sahara, it soon developed into a major town.

Arab traders from the north brought salt, cloth, and horses to exchange for gold and slaves from the south. By 1400, Timbuktu had become a major center of Islamic learning.

Granaries are built of thick clay to keep the grain cool and free of rats.

Dogon houses are made of clay, often with terraces above the main living area.



The flat rooftops are used to dry onions and to store pots and baskets.

THE DOGON

South of Timbuktu, the flat river plain gives way to sandstone cliffs surrounding the Bandiagara plateau. Living in the cliffs are the Dogon people, who first settled in the area in the 1500s. The Dogon worship their own gods, and have many legends about the creation of the world. Because of the harsh conditions in which they live, the Dogon are expert farmers, using every available strip of land to grow crops of rice, millet, and corn.

The Dogon live in walled compounds built on steep hillsides for protection against attack from their enemies.

Find out more

- ISLAM: 275
- MALINKE PEOPLE: 225
- NIGER RIVER: 205
- RICE GROWING: 135, 176, 197



SENEGAL

Capital city: Dakar
Area: 75,749 sq miles (196,190 sq km)
Population: 10,100,000
Official language: French
Major religions: Muslim 90%, traditional beliefs 5%, Christian 5%
Government: Multiparty democracy
Currency: CFA franc
Adult literacy rate: 39%
Life expectancy: 52 years
People per doctor: 10,000
Televisions: 41 per 1,000 people

GAMBIA

Capital city: Banjul
Area: 4,363 sq miles (11,300 sq km)
Population: 1,400,000
Official language: English
Major religions: Muslim 90%, Christian 9%, traditional beliefs 1%
Government: Multiparty democracy
Currency: Dalasi
Adult literacy rate: 38%
Life expectancy: 53 years
People per doctor: 25,000
Televisions: 3 per 1,000 people

SENEGAL

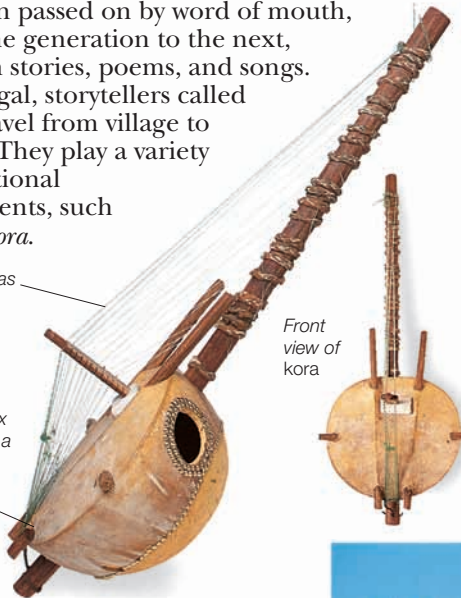
THE MIGHTY SENEGAL RIVER dominates large areas of this country. Every year the river floods, and seasonal crops are grown on the fertile land that the floodwaters leave behind. Senegal is wealthy compared to other countries in this region. It was once an important part of French West Africa, and still maintains close links with France. Among the mix of ethnic groups, such as the Wolof and Mandinke, there are still many French inhabitants. There is a similar mix of religions – Islam exists side-by-side with traditional beliefs. Senegal's beautiful, palm-fringed coastline makes tourism an important economic force here.

MUSICAL STORYTELLING

History is a living thing in West Africa. For centuries, history and other information has been passed on by word of mouth, from one generation to the next, through stories, poems, and songs. In Senegal, storytellers called *griots* travel from village to village. They play a variety of traditional instruments, such as the *kora*.

The kora has 21 strings.

The soundbox is made from a hollowed-out gourd.



Front view of kora



DAKAR

The lively city of Dakar, Senegal's capital, perches on a rocky peninsula that forms the westernmost point of Africa. This major port was once the capital of French West Africa, as can be seen from its grand colonial buildings. Today great poverty is found alongside the expensive restaurants and modern hotels on the streets of Dakar.



FARMING AND FISHING

Nearly three-quarters of Senegal's people work in agriculture. In the north, cereals such as millet and sorghum are the main food crops, and peanuts are a vital cash crop. Rice is common in the wetter southern areas. Peanuts were once grown on nearly half the farmland, but fish is now taking over as the country's main export. A common sight is fishermen setting out in dugout canoes called *pirogues*, made from local trees.

GAMBIA

THE TINY COUNTRY of Gambia is a long, thin sliver of land carved out of Senegal, which surrounds it on three sides. At its widest point, Gambia measures no more than 50 miles (80 km) from north to south. Like Senegal, Gambia has a wide ethnic mix and Islam is very important. Most of the people work in agriculture, relying heavily on the peanut crop. Women play a major role in agricultural life. Rice growing is their main occupation, but near the coast, large areas of swampy rice land have been ruined by the buildup of salt in the soil. Many women now grow vegetables to sell in local markets.



Tourists come for the beaches, but many take trips inland to see the crocodiles, monkeys, and many species of bird that live along the Gambia River.

TOURISM

The tourist industry is the fastest growing part of the Gambian economy. More and more Europeans are coming here to escape cold winters, attracted by the magnificent beaches. Gambia is particularly popular with visitors from the UK, because English is widely spoken in this former British colony. But fears are already mounting that the easy-going local lifestyle will soon be ruined by advancing tourism.

Find out more

AFRICAN CITIES: 206
 COLONIAL PERIOD: 207
 RELIGION: 274-275
 RICE GROWING: 135, 176, 197



GUINEA

Capital city: Conakry
Area: 94,926 sq miles (245,860 sq km)
Population: 8,500,000
Official language: French
Major religions: Muslim 65%, traditional beliefs 4%, Christian 1%
Government: Multi-party democracy
Currency: Guinea franc
Adult literacy rate: 27%
Life expectancy: 46 years
People per doctor: 10,000
Televisions: 7 per 1,000 people

GUINEA BISSAU

Capital city: Bissau
Area: 13,946 sq miles (36,120 sq km)
Population: 1,500,000
Official language: Portuguese
Major religions: Traditional beliefs 54%, Muslim 38%, Christian 8%
Government: Multi-party democracy
Currency: CFA franc
Adult literacy rate: 40%
Life expectancy: 43 years
People per doctor: 5,000
Televisions: no figures available

GUINEA

ONCE A FRENCH COLONY, this fertile, hilly country is rich in minerals and has perfect weather conditions for growing many crops, including bananas, citrus fruits, and rice. These factors could make Guinea a rich country, but it is one of the poorest in the world, with a life expectancy of just 46 years and only very basic medical and educational facilities. This is largely the result of the French leaving Guinea without financial support, poor management of the economy, and years of harsh political rule under Sekou Touré, who was president from 1958–84.

About two-thirds of Guinea's population lives in small villages like this one.



PEOPLE OF GUINEA

A varied mix of peoples, including the Malinke, Fulani, and Soussou, live in Guinea. Most of them are Muslim. The Malinke make up about a third of the population and are named after a mountainous area on the Mali border. This was once part of the great Mali Empire, which dominated West Africa in medieval times. Today, the Malinke are famous for their centuries-old storytelling and musical skills.



THE GUINEA HIGHLANDS

Thick forest covers the mountainous Guinea Highlands in the south of the country. In addition to providing lumber products, conditions in this highly fertile area are ideal for growing various crops, including coffee. Three of the region's major rivers – the Niger, the Gambia, and the Senegal – have their sources here. Rich iron deposits exist here, and the whole area is nourished by abundant rainfall.



MINING

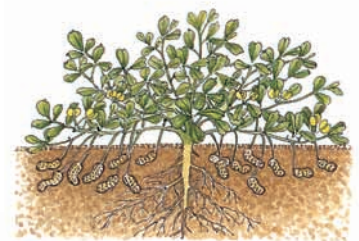
The mountainous areas of Guinea are rich in a mineral ore called bauxite. Ores are substances from which metals can be obtained, and bauxite is used to make aluminum. Guinea is the world's second largest producer of bauxite, after Australia, and it accounts for around 60 percent of the country's earnings from exports. Guinea's mountain regions yield other valuable minerals, including iron, gold, and diamonds.

GUINEA BISSAU

SANDWICHED BETWEEN SENEGAL and Guinea, this low-lying, swampy country is a particularly unspoiled place. Once ruled by Portugal, Guinea Bissau was the first Portuguese colony to gain independence, in 1974. Today it is very poor and heavily dependent on financial aid from other countries. The people are a mix of ethnic groups, the largest of which is the Balante, from the south. Most people scrape out a living by growing coconuts, cotton, peanuts, or cashew nuts. Logging and fishing are also important.



ALONG THE COAST
 Like its neighbors, Guinea Bissau has spectacular beaches. Its coastline is edged with mangrove swamps, mud flats, and estuaries leading to a maze of inland waterways. A huge variety of fish are found off the coast, and many people in this coastal region make their living from fishing.



PEANUTS

As the name suggests, the actual nuts of the peanut plant grow underground. The nut pods are pulled out of the ground and left to dry before being shelled and skinned. Some of the nuts are sold in local markets, but most are used to extract peanut oil, used in food production, or crushed to make peanut butter.



Cashew nuts

Find out more

COLONIAL PERIOD: 207
 ISLAM: 275
 LIFE EXPECTANCY: 276
 RICH AND POOR: 298–299



SIERRA LEONE
Capital city: Freetown
Area: 27,698 sq miles (71,740 sq km)
Population: 5,000,000
Official language: English
Major religions: Traditional beliefs 30%, Muslim 30%, Christian 10%, other 30%
Government: Multi-party democracy
Currency: Leone
Adult literacy rate: 24%
Life expectancy: 37 years
People per doctor: 10,000
Televisions: 13 per 1,000 people
LIBERIA
Capital city: Monrovia
Area: 43,000 sq miles (111,370 sq km)
Population: 3,400,000
Official language: English
Major religions: Christian 68%, traditional beliefs 18%, Muslim 14%
Government: Transitional government
Currency: Liberian dollar
Adult literacy rate: 56%
Life expectancy: 47 years
People per doctor: 20,000
Televisions: 29 per 1,000 people

SIERRA LEONE

IN 1787, THE BRITISH colonized this region and created a settlement for freed African slaves. This is how Sierra Leone's capital, Freetown, got its name. Today, there are still a few descendants of the freed slaves, known as Creoles, living here. The main peoples, however, are the Mende in the south and the Temne in the north. In recent years, conflicts between the various ethnic groups have led to civil war. Sierra Leone is one of the poorest countries in the world, and two-thirds of its workforce make their living from small-scale farming.



FARMING

Sierra Leone's main cash crops are cocoa, coffee, nuts, and palm kernels (seeds from which oil is extracted). The main food crop is rice, which is grown in the river valleys. "Dry" rice is grown in the soil on the valley sides, and "wet" rice is grown in flooded fields on the valley floor. Attempts have been made to raise production – for example, clearing mangrove swamps to make way for extra rice fields.



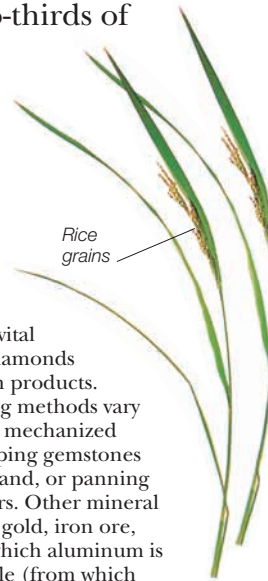
Diamonds

Diamonds found among the gravel in rivers are called alluvial diamonds.

Cut diamond

MINING

Sierra Leone's rich mineral deposits have made mining a vital industry, with diamonds among the main products. Diamond mining methods vary from using fully mechanized diggers, to chipping gemstones out of rock by hand, or panning for them in rivers. Other mineral exports include gold, iron ore, bauxite (from which aluminum is made), and rutile (from which titanium is made).



Rice grains

LIBERIA

LIBERIA BECAME AN INDEPENDENT country in 1847 and has never been colonized, making it the oldest independent republic in Africa. In the 19th century, the American Colonization Society helped thousands of freed African slaves return from the US and settle here. They gave Liberia its name, which means "freed land." Links between the US and Liberia still exist today. From 1990 to 2003, Liberia suffered from civil war, and the economy virtually collapsed.

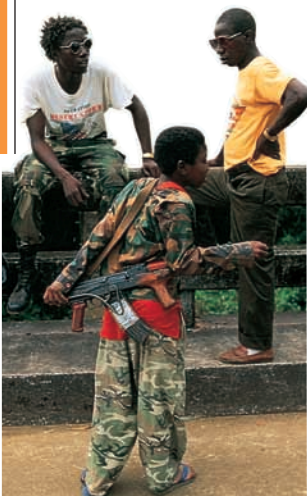
CIVIL WAR

In recent years there have been clashes between Liberia's different ethnic groups, which include the Kpelle, Bassa, and Kru peoples. These problems erupted into civil war in the early 1990s, which did a great deal of damage to an already weakened economy. The war has forced about half the population to leave their homes, and many people have starved because of food shortages.



THE RUBBER INDUSTRY

One of Liberia's strongest links with the US is its extensive, American-owned rubber plantations. Over the years, these have employed huge numbers of people and have accounted for a very large slice of the country's income from exports. The American Firestone company, which makes world-famous tires, has been at the forefront of this rubber production. Rubber is made from a sticky substance called latex, which can be tapped from rubber trees by cutting slits in the bark.



Children as young as eight have been forced to fight in the war.

<i>Find out more</i>
DIAMONDS: 150, 248
REFUGEES: 207
RICE GROWING: 135, 176, 197
RUBBER: 194



CÔTE D'IVOIRE	
Capital city:	Yamoussoukro
Area:	124,502 sq miles (322,460 sq km)
Population:	16,600,000
Official language:	French
Major religions:	Muslim 38%, Christian 31%, traditional beliefs 25%, other 6%
Government:	Multiparty democracy
Currency:	CFA franc
Adult literacy rate:	50%
Life expectancy:	45 years
People per doctor:	10,000
Televisions:	70 per 1,000 people

CÔTE D'IVOIRE

BEING RULED BY ONE MAN, Félix Houphouët-Boigny for 33 years until his death in 1993, gave Côte d'Ivoire a reputation as one of the most politically and economically stable countries in Africa. Many different ethnic groups lived largely in peace. However, some tensions between the Muslim north and the Christian south led to violence in 2000. The economy is based on a wide range of products, and coffee and cocoa are the main cash crops. Other products include cotton, fruit, tobacco, and lumber. Côte d'Ivoire became the official name of the old Ivory Coast in 1985.



These hardwoods all come from Côte d'Ivoire.



LUMBER INDUSTRY
Côte d'Ivoire once had vast areas of forest, containing ebony, mahogany, and other hardwood trees. Today hardly any is left. For years the country's economy was heavily dependent on the logging industry. Lumber exports were seen as vital for paying off foreign debts, and large areas of forest were cleared to make way for coffee and cocoa plantations. A program was recently started to help save the forests and plant new ones.



ETHNIC GROUPS
More than 60 ethnic groups live side-by-side in Côte d'Ivoire, with relatively few clashes. The Dan people, for example, live deep in the heart of the western forests and are famous for their carving skills. They make wooden masks that are worn by the members of special secret societies to keep their identities hidden. Only members of these societies are allowed to take part in the Dan stilt dances.



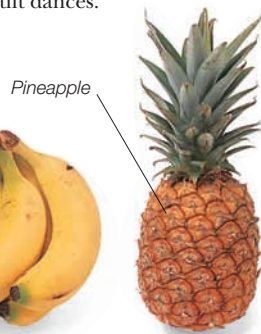
YAMOUSSOUKRO

The dome of the world's largest church rises up above the rooftops of Yamoussoukro, a small town in the center of the country which became Côte d'Ivoire's capital city in 1983. Personally overseen by former president Boigny, the cathedral was completed in 1989 at huge cost. It seats 7,000 people and has an open-air area for another 350,000 – three times the city's population. There has been much controversy about undertaking such an extravagant project in a country with widespread poverty.

Coffee beans



Bananas



Pineapple

THE ECONOMY

Compared to much of West Africa, Côte d'Ivoire is a fairly prosperous country. This is partly the result of a policy of growing a variety of crops. Côte d'Ivoire is the world's leading cocoa grower – in some years, it produces about a third of the world's cocoa exports. However, competition from elsewhere may change this. It is also Africa's biggest coffee producer and grows vast numbers of pineapples and bananas.

World's top five cocoa producers

Figures show the share of total world cocoa production.



Many of Abidjan's banks and businesses are based in the skyscrapers of the Plateau district.



ABIDJAN

This modern port, with its glittering glass skyscrapers, is the country's largest city. Abidjan is filled with stylish shops and restaurants that show a powerful French influence, reminding visitors of Côte d'Ivoire's historical ties with France. It was also the country's capital until 1983, when Yamoussoukro took over that role.

Find out more

CHRISTIANITY: 274
COCOA: 228, 234
COFFEE: 50, 62, 66
LOGGING: 69, 244



GHANA

GHANA SHOULD BE A RELATIVELY wealthy country. Its many riches include fertile farmland, reserves of gold, bauxite, and oil, and a young population that is among the best educated in Africa. However, years of unstable government, low earnings from exports, and bad management of the economy have hindered Ghana's development. More than 50 different ethnic groups live in Ghana, each with its own language and traditions. Among the largest groups are the Akan peoples, who include the Ashanti in the south of the country, the Dagomba in the north, and the Ewe in the southeast.



SLAVERY
Between 1500 and 1800 over 10 million Africans were sold into slavery. Many were shipped from Ghana to work on plantations in the Americas and the Caribbean. Elmina Castle (above) was built by the Portuguese to hold slaves before they crossed the Atlantic. Once on board the slaves were kept in terrible conditions and many died before they reached land.

GHANA	
Capital city: Accra	
Area: 92,455 sq miles (239,460 sq km)	
Population: 20,900,000	
Official language: English	
Major religions: Christian 69%, Muslim 16%, traditional beliefs 9%, other 6%	
Government: Multiparty democracy	
Currency: Cedi	
Adult literacy rate: 74%	
Life expectancy: 55 years	
People per doctor: 10,000	
Televisions: 99 per 1,000 people	



THE AKOSOMBO DAM
One of the world's largest artificial lakes, Lake Volta, is formed by the Akosombo Dam on the Volta River. When the dam was built in the 1960s, about 85,000 people had to be moved from areas flooded by the lake. The dam's power plant generates electricity for factories in the city of Tema and for domestic use. Some power is exported to Togo and Benin.



Ashanti gold head showing a defeated enemy general.



Women traders at the market in Accra

MARKETS
Every Ghanaian town has a bustling market, drawing people in from the surrounding area. Here they can buy and sell a wide range of goods, from food and animals to household supplies and even false teeth. Many of the market traders are women, often involved because "marketing" is part-time and leaves the rest of the day free for other work. Many traders are financially very successful.

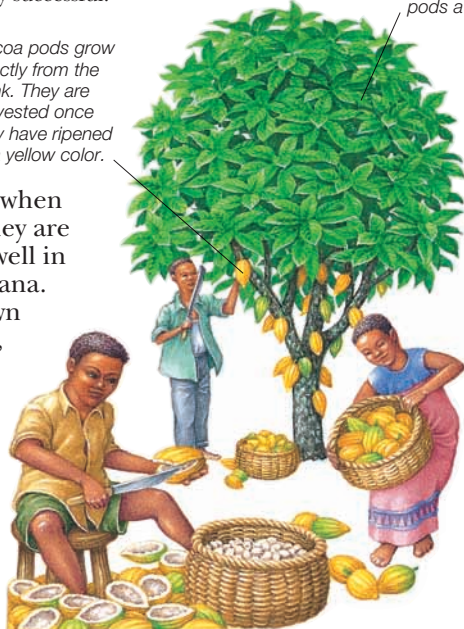
THE ASHANTI

When Europeans first visited Ghana in the 15th century, they named it the Gold Coast because of the gold offered to them in trade by the local people. The main gold workers were the Ashanti. The symbol of Ashanti unity was a golden stool, which they believed had come down from the sky. Gold from the Ashanti mines is still an important export for Ghana.

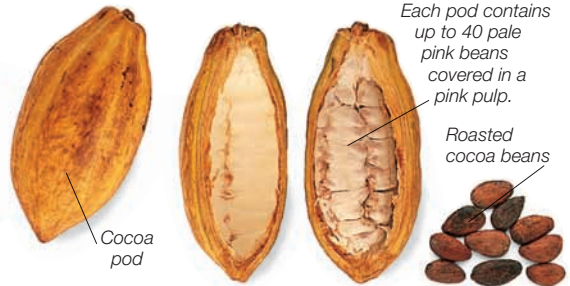
COCOA

Cocoa trees need plenty of shade when they are young and water when they are mature. This is why they grow so well in the humid forests of southern Ghana. Here young cocoa plants are grown between rows of other food crops, which provide the necessary shade. The trees only begin to produce fruit after about seven years. Cocoa production is a major industry, accounting for up to 34 percent of the country's exports, but Ghana now faces stiff competition from neighboring Ivory Coast and from Southeast Asia.

Cocoa pods grow directly from the trunk. They are harvested once they have ripened to a yellow color.



A mature cocoa tree produces 20-30 fruit pods a year.



Cocoa beans are fermented, roasted, and ground to produce a chocolate liquid. This is used to make cocoa butter for cosmetics, or is reheated and molded to make blocks of chocolate.

Find out more

- COCOA: 227, 234
- COLONIAL PERIOD: 207
- GOLD MINING: 253
- TRADE DEPENDENCY: 281



FOREIGN AID

Burkina Faso is very dependent on foreign aid. Each year around US\$400 million of aid comes into the country, much of it from Burkina Faso's former colonial ruler, France, and from the European Union. The money is used for both large-scale projects, such as dams to generate hydroelectric power, and smaller programs, like this well that provides clean water for a village.

BURKINA FASO

LANDLOCKED BURKINA FASO (formerly known as Upper Volta) is one of the world's poorest countries. Like the other countries in the Sahel region, Burkina Faso is at constant risk from drought, and in recent years large amounts of grazing land have turned to desert as the Sahara has expanded southward. Burkina Faso has few cities, and most of the people live in villages, making a living from farming and herding. Burkina Faso's economy has suffered badly from political unrest. Because the country is so poor, millions of people from Burkina Faso must go abroad to find jobs.



BURKINA FASO

Capital city: Ouagadougou
Area: 105,869 sq miles (274,200 sq km)
Population: 13,000,000
Official language: French
Major religions: Muslim 55%, traditional beliefs 35%, Christian 10%
Government: Multiparty democracy
Currency: CFA franc
Adult literacy rate: 25%
Life expectancy: 43 years
People per doctor: 33,333
Televisions: 9 per 1,000 people

TOGO

Capital city: Lomé
Area: 21,924 sq miles (56,785 sq km)
Population: 4,900,000
Official languages: French
Major religions: Traditional beliefs 50%, Christian 35%, Muslim 15%
Government: Multiparty democracy
Currency: CFA franc
Adult literacy rate: 60%
Life expectancy: 50 years
People per doctor: 10,000
Televisions: 18 per 1,000 people



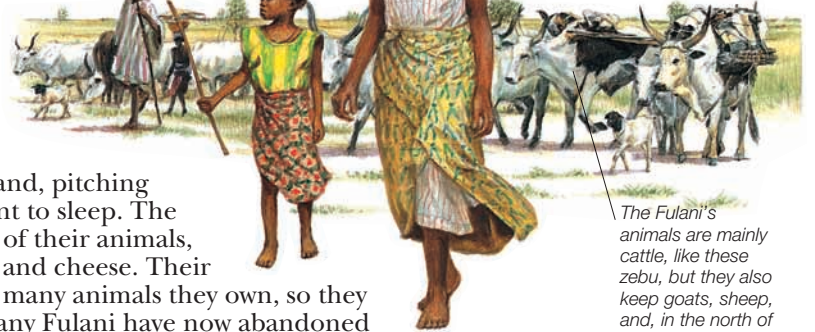
Many farmers have a vegetable garden where they grow food for their families.

AGRICULTURE

Lack of water and poor soil cause huge problems for Burkina Faso's farmers. Before any crops can be planted, a farmer has to clear the land, burning the scrub and plowing the ash into the ground to act as a fertilizer. The new field can only be used for four to five years before it is exhausted. Then it has to be left for at least another five years to recover.

THE FULANI

The Fulani are nomadic cattle herders. They travel wherever there is grazing land, pitching huts or tents when they want to sleep. The Fulani live off the produce of their animals, eating mainly milk, butter, and cheese. Their wealth is measured by how many animals they own, so they rarely kill and eat them. Many Fulani have now abandoned this nomadic way of life and have settled in one place.



The Fulani carry many of their possessions in large bowls called calabashes, which are made from the dried shells of gourds.

The calabash rests on a roll of cloth.

The Fulani's animals are mainly cattle, like these zebu, but they also keep goats, sheep, and, in the north of the region, camels.

TOGO

SANDWICHED BETWEEN GHANA and Benin, Togo is a former French colony that gained its independence in 1960. The population is a mix of about 30 different ethnic groups; the two largest are the Ewe in the south of the country and the Dagomba in the north. Phosphates – minerals used to make fertilizers – account for half of Togo's exports, but the economy has been badly affected by changes in world phosphate prices. Togo's capital city, Lomé, is one of the major ports in West Africa.



FARMING AND FISHING

Although Togo is a very poor country, it produces nearly all its own food. About two-thirds of the population lives in the countryside and works there as farmers. Corn, yams, rice, and cassava are grown to eat, and cocoa, coffee, and cotton to sell and export. Along the coast, many people make a living from fishing.

Find out more

FULANI: 207
 PHOSPHATES: 210
 RICH AND POOR: 278–279
 SAHEL: 220, 222



NIGERIA

NIGERIA IS HOME TO AN AMAZING mix of more than 250 different peoples. The largest groups are the Hausa-Fulani, in the north, the Yoruba in the west, and the Ibo in the east. Nigeria could be one of Africa's most successful economies. It has large reserves of oil, gas, and minerals, and abundant farmland. The population of 124 million is the largest of any African country, and one of the best educated. It has had a troubled history with a civil war in 1967 and a series of military coups. Today, Nigeria is struggling to pay off huge debts and to modernize its industry and agriculture.

NIGERIA	
Capital city:	Abuja
Area:	351,648 sq miles (910,770 sq km)
Population:	124,000,000
Official language:	English
Major religions:	Muslim 50%, Christian 40%, traditional beliefs 10%
Government:	Military government
Currency:	Naira
Adult literacy rate:	67%
Life expectancy:	45 years
People per doctor:	3,704
Televisions:	66 per 1,000 people
BENIN	
Capital city:	Porto-Novo
Area:	43,480 sq miles (112,620 sq km)
Population:	6,700,000
Official language:	French
Major religions:	Traditional beliefs 50%, Muslim 30%, Christian 20%
Government:	Multiparty democracy
Currency:	CFA franc
Adult literacy rate:	40%
Life expectancy:	53 years
People per doctor:	10,000
Televisions:	10 per 1,000 people



LAGOS
The city of Lagos is situated on a coastal island in the southwestern corner of Nigeria. The island was first settled in the 15th century by local Yoruba people. The town grew rapidly as a trading port used by European merchants and became the capital of independent Nigeria in 1960. In 1992, the capital was moved to Abuja, in central Nigeria, but Lagos is still the largest city.

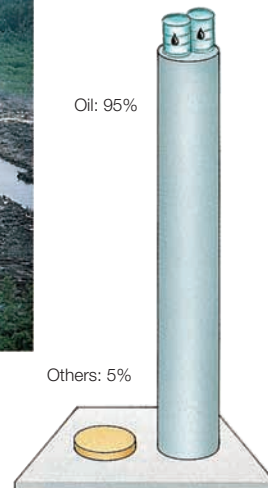
OIL

Oil was first produced in Nigeria in 1956, and within 20 years, the new industry dominated the economy. Today, it makes up about 95 percent of the country's exports. Nigerian oil is high quality with a low sulfur content, making it ideal as aircraft fuel. However, it is dangerous for a country to rely on just one product. When world oil prices fell in the 1980s, Nigeria suffered badly. Efforts are now being made to develop other products and lessen the country's dependence on oil.



The Niger Delta in the south of the country contains huge oil reserves, enough to last for at least another 25 years. Four huge refineries prepare the crude oil for export.

Main exports



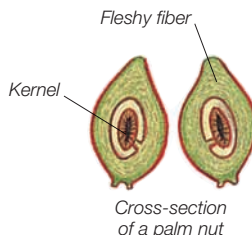
PLANTATIONS

In recent years huge plantations have been set up throughout Nigeria to produce crops in large quantities, mainly for export. Plantations make use of modern machinery to plant, grow, and process the crops, which include cotton, coffee, sugar, cocoa, and oil palms. Today, Nigeria is one of the world's largest producers of palm oil. Oil from the fleshy fiber of the palm nut is used in cooking oil, margarine, soap, candles, and paint.



Oil palm tree

Palm nuts grow in large bunches. When they are ripe, they are cut down and taken to factories where the oil is extracted.



Farmers clear and plow the land ready to plant crops.

SMALL FARMS

Most Nigerian farmers work on their own small farms. They use hoes, plows, and other simple tools to grow food crops such as cassava, rice, yams, and corn to feed their families. They also grow crops such as cocoa, oil palms, rubber, and peanuts to sell. These are known as cash crops. Despite the recent investment in plantations, most of Nigeria's cash crops are still grown on these small farms.

VILLAGE LIFE

Most Nigerians are born and die in the same village and think of it as home even if they move to a big city. Most of the villagers work as farmers, although each village usually has a traditional doctor, blacksmith, and carpenter. Villagers are almost self-sufficient, growing much of their own food, building their own houses, weaving cloth for clothes, and making pots for cooking. Anything they cannot make, they buy with money earned by selling goods in the local market.



MOVING TO THE CITY

Many young Nigerians leave their villages for a few years and move to a city. They go to study, or to earn money that they can send back to their families when profits from farming are low. This money may be used to buy food or books for a child going to school. Once the “migrants” have finished their studies or saved up enough money, they return home to their villages.

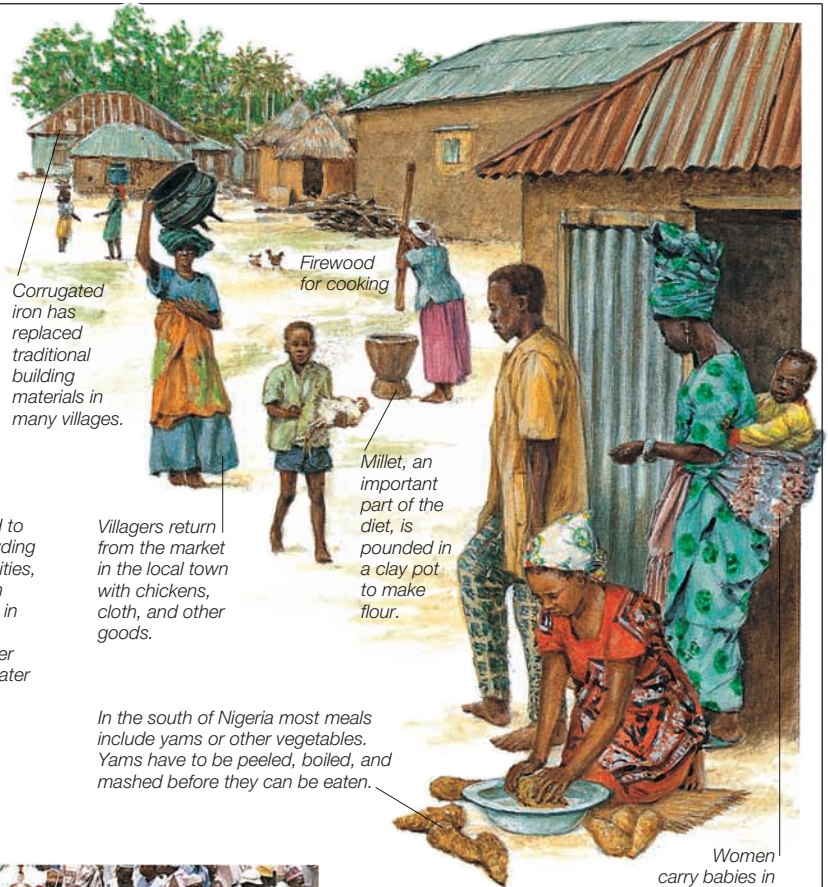


One of the main dyes is indigo, a blue color produced by pulping the leaves of the indigo vine.

DYEING

The Yoruba people of southwestern Nigeria are skilled cloth dyers, making intricate patterns from a range of natural dyes. The cloth is usually dyed in earthenware pots, although the

Hausa people in the northern city of Kano use large pits in the ground lined with a local cement.



Corrugated iron has replaced traditional building materials in many villages.

Firewood for cooking

Villagers return from the market in the local town with chickens, cloth, and other goods.

Millet, an important part of the diet, is pounded in a clay pot to make flour.

In the south of Nigeria most meals include yams or other vegetables. Yams have to be peeled, boiled, and mashed before they can be eaten.

Women carry babies in slings made of cloth.



RELIGION

Nigeria is divided in its religious beliefs. In the north, people follow Islam, which was introduced by Arab traders from across the Sahara Desert during the 11th century. Religious festivals, such as this Sallah procession to mark the end of Ramadan (the Islamic month of fasting), are important local events. Five hundred years later, European merchants brought Christianity into the south. Many Nigerians, however, still follow traditional African religions.

BENIN

SQUASHED UP AGAINST THE WESTERN border of Nigeria, Benin is a long, thin country that stretches north from its narrow Atlantic Ocean coastline to the Niger River. Originally called Dahomey (it was renamed Benin in 1975), the country gained its independence from France in 1960. Since then Benin has had a series of military governments and been a one-party state. In 1990 it became the first African nation to move from one-party rule to a multiparty democracy. Although it is a poor country, Benin has a growing economy based on agricultural products such as cotton, cocoa, and coffee.



COASTAL REGIONS

For centuries, the inhabitants of stilt houses like these along the shores of Lake Ganvie have made their living from fishing. But many former lakes and lagoons have become partly silted up, and many of the fishermen have had to take up sea fishing or move to the towns to find work.

Find out more

AFRICAN CITIES: 206
 COCOA: 227, 228, 234
 OIL: 137, 152, 281
 RELIGION: 274–275

CENTRAL AFRICA

IN FERTILE CENTRAL AFRICA, steaming rain forests cluster around the Equator, and the mighty Congo River snakes its way through Congo and the Democratic Republic of Congo. In the 1400s, Europeans began a cruel slave trade here; by the late 19th century, the region was colonized. Independence came in the 1960s, but democracy has been slow to arrive.

The area has met with mixed fortunes. Countries range from stable, prosperous Cameroon to the Central African Republic, which has been crushed by poverty and harsh dictatorships.



Faya, Chad

☀ Jan 69°F (21°C)
 ☀ July 93°F (34°C)
 ☁ Jan 0 in (0 mm)
 ☁ July 0 in (0 mm)



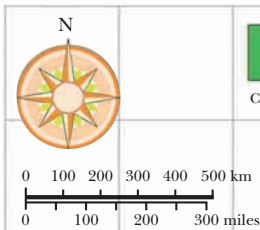
THINGS TO LOOK FOR ON THE MAP

Longest river: Congo, Dem. Rep. of Congo, 2,900 miles (4,666 km) *Map G10*

Highest point: Mt. Stanley, Dem. Rep. of Congo, 16,765 ft (5,110 m) *Map K11*

Largest lake: L. Tanganyika, Dem. Rep. of Congo, 12,700 sq miles (32,893 sq km) *Map K12*

(Note: The text above is a transcription of the map's content, not a separate data block.)



CAMEROON



EQUATORIAL GUINEA



SÃO TOMÉ & PRÍNCIPE

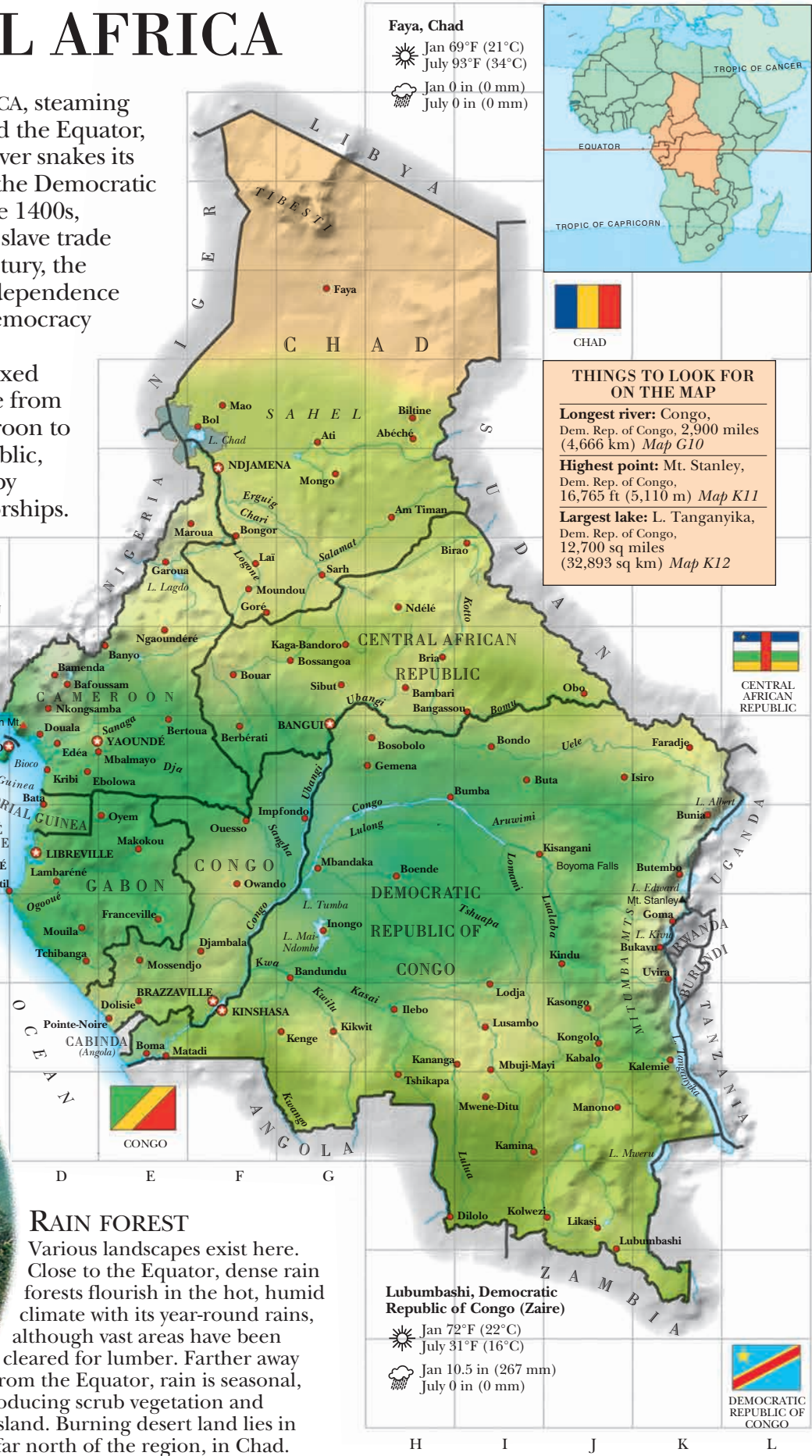


GABON



RAIN FOREST

Various landscapes exist here. Close to the Equator, dense rain forests flourish in the hot, humid climate with its year-round rains, although vast areas have been cleared for lumber. Farther away from the Equator, rain is seasonal, producing scrub vegetation and grassland. Burning desert land lies in the far north of the region, in Chad.



CENTRAL AFRICAN REPUBLIC



CONGO

Lubumbashi, Democratic Republic of Congo (Zaire)

☀ Jan 72°F (22°C)
 ☀ July 31°F (16°C)
 ☁ Jan 10.5 in (267 mm)
 ☁ July 0 in (0 mm)



DEMOCRATIC REPUBLIC OF CONGO



CAMEROON

IN AN AREA THAT HAS SEEN many troubles since independence, Cameroon is a relatively prosperous and stable success story thanks to sensible government policies. Along with its southern neighbors, Gabon and Congo, the country has earned money from oil and has used this to develop its economy. Many different peoples live in Cameroon, and its geography is just as varied. The humid coastal plain in the south gives way to a drier central plateau, while a finger of land points up to the marshes around Lake Chad.



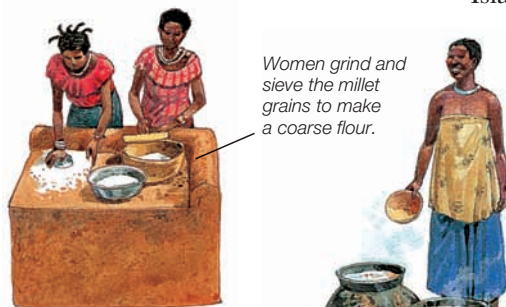
PEOPLES

With more than 130 ethnic groups, Cameroon has one of the richest mixes of peoples in Africa. These range from the Fulani cattle herders, who live in the north and follow Islamic beliefs, to forest dwellers farther south, who practice traditional religions. Most people are settled farmers producing enough for their own needs, like this Hausa farmer tending his cattle.

CAMEROON	
Capital city: Yaoundé	
Area: 183,567 sq miles (475,400 sq km)	
Population: 16,000,000	
Official languages: French, English	
Major religions: Christian 53%, traditional beliefs 25%, Muslim 22%	
Government: Multiparty democracy	
Currency: CFA franc	
Adult literacy rate: 68%	
Life expectancy: 48 years	
People per doctor: 10,000	
Televisions: 32 per 1,000 people	



Pearl millet grows to a height of 5–10 ft (1.5–3 m).



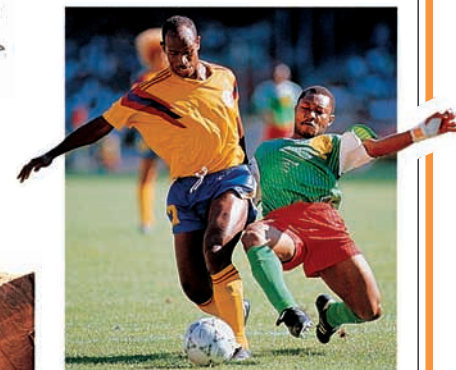
Women grind and sieve the millet grains to make a coarse flour.



Millet can also be used to make beer. It is dried, pounded, and then brewed in large pots.



A stiff white porridge made from millet flour is a popular breakfast dish.

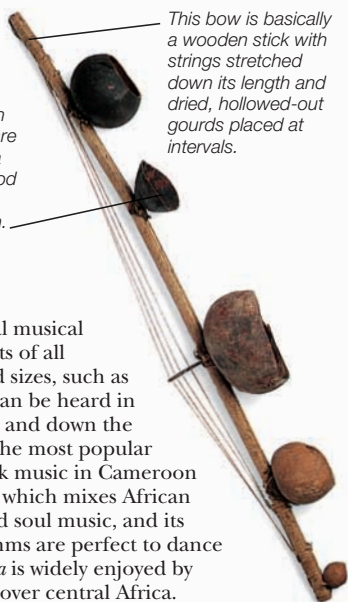


SOCCKER

Cameroon has one of Africa's most celebrated soccer teams, known for some spectacular displays of skill on home territory and in the World Cup. The people of Cameroon love soccer – at lunchtime and in the evenings informal games spring up on any spare piece of open ground.

GROWING MILLET

Most farmers in Cameroon grow some crops, such as millet, for their own use (subsistence farming), but also produce crops to sell. Millet is cultivated widely in northern Cameroon, where there is less rainfall, because it grows well in poorer, drier soils. There has also been great investment in the production of commercial “cash” crops such as cocoa and coffee, oil palms, and bananas.



The gourds vibrate when the strings are plucked or a piece of wood is drawn across them.

This bow is basically a wooden stick with strings stretched down its length and dried, hollowed-out gourds placed at intervals.

MUSIC

Traditional musical instruments of all shapes and sizes, such as this bow, can be heard in villages up and down the country. The most popular style of folk music in Cameroon is *makossa*, which mixes African sounds and soul music, and its lively rhythms are perfect to dance to. *Makossa* is widely enjoyed by people all over central Africa.



INDUSTRY

Cameroon has an expanding logging industry. The country has extensive forests, and mahogany, ebony, and teak are all exported abroad. However, the industry is hampered by roads that are impassable during the rainy season. Much of the country's wealth is based on its reserves of oil, and other natural resources include bauxite, iron, and gold.

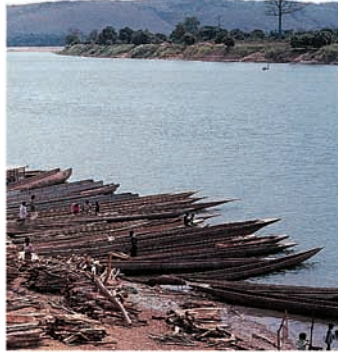
Find out more

- COCOA: 227, 228, 234
- LOGGING: 69, 227, 244
- OIL: 152, 230, 281
- OIL PALMS: 230

CENTRAL AFRICAN REPUBLIC

SITUATED AT THE CORE OF AFRICA, the north of the Central African Republic (CAR) is arid, while lush rain forest covers the south. Drought and political unrest have caused great problems here. In 1965, Emperor Bokassa began a 14-year reign of terror, which was followed by military dictatorship. Today the country remains under military rule, although

the government has pledged to introduce democracy.



RIVER ROUTES

The CAR is surrounded by land and has no railroad system and few well-surfaced roads, so its rivers are vital for transportation and trade. Nearly three-quarters of trading goods are shipped down the 4,350 miles (7,000 km) of inland waterways. Many goods travel to Brazzaville in Congo. Here they are loaded onto trains and taken to the Atlantic coast.

PYGMIES

Small huts made from banana leaves are found deep in the country's rain forests. These are the homes of a people known as pygmies, called this because they rarely grow taller than about 5 ft (1.5 m). Pygmies are hunter-gatherers, living on food collected from the rain forest. They are a shining example of people living in harmony with the natural world, not damaging the environment.



This woman is sifting diamonds from a riverbed.

INDUSTRY

A large part of the country's income comes from diamonds. There is potential for developing other industries, too, since gold, iron ore, copper, and uranium are also found here. Flooding caused by heavy seasonal rains, however, is a constant threat to any kind of mining.



CENTRAL AFRICAN REPUBLIC

Capital city: Bangui
Area: 240,530 sq miles (622,980 sq km)
Population: 3,900,000
Official language: French
Major religions: traditional beliefs 60%, Christian 35%, Muslim 5%
Government: Transitional government
Currency: CFA franc
Adult literacy rate: 49%
Life expectancy: 42 years
People per doctor: 25,000
Televisions: 5 per 1,000 people

EQUATORIAL GUINEA

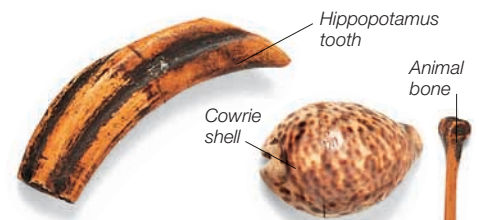
Capital city: Malabo
Area: 10,830 sq miles (28,050 sq km)
Population: 494,000
Official language: Spanish, French
Major religions: Christian 90%, other 10%
Government: Multiparty democracy
Currency: CFA franc
Adult literacy rate: 84%
Life expectancy: 52 years
People per doctor: 5,000
Televisions: 10 per 1,000 people

EQUATORIAL GUINEA

THE ECONOMY AND PEOPLE of Equatorial Guinea have suffered badly because of brutal leadership. Macias Nguema ruled as a cruel dictator during the 1970s, but a more moderate government came to power in the 1990s. This tiny, beautiful country, which includes five islands, is now working hard to build its economy.

FARMING

Although the hot climate and fertile volcanic soil of the largest island, Bioko, are perfect for growing crops, there are few good roads and the workforce is unskilled. Concentrating on growing cocoa for export has left little land for people to grow food for themselves.



Hippopotamus tooth

Cowrie shell

Animal bone

TRADITIONAL MEDICINE

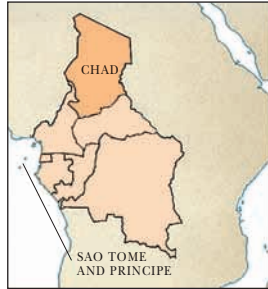
Traditional medicine is still widely practiced in Africa. Animal bones, shells, and wooden sticks are used in public healing ceremonies. The healer will often sing and dance around the patient, using chants to cry out to the spirits for help.



Tree root

Find out more

COCOA: 227, 228
 DIAMONDS: 150, 226, 248
 HUNTER-GATHERERS: 201
 POLITICAL SYSTEMS: 270-271

**CHAD**

Capital city: Ndjamena
Area: 495,752 sq miles (1,284,000 sq km)
Population: 8,600,000
Official language: Arabic, French
Major religions: Muslim 55%, traditional beliefs 35%, Christian 10%
Government: Multiparty democracy
Currency: CFA franc
Adult literacy rate: 46%
Life expectancy: 48 years
People per doctor: 33,333
Televisions: 1 per 1,000 people

SAO TOME AND PRINCIPE

Capital city: São Tomé
Area: 386 sq miles (1,001 sq km)
Population: 175,883
Official language: Portuguese
Major religions: Christian 84%, other 16%
Government: Multiparty democracy
Currency: Dobra
Adult literacy rate: 83%
Life expectancy: 66 years
People per doctor: 2,000
Televisions: 163 per 1,000 population

The creole people of São Tomé and Príncipe are called filhos de terra, which is Portuguese for "sons of the earth."



CHAD

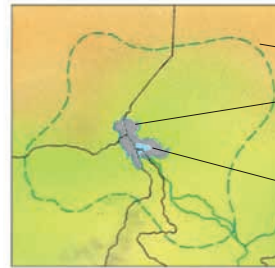
MUCH OF CHAD falls inside a wide belt of hot, dry grassland called the Sahel, which extends across the African continent. Drought is a frequent occurrence in the Sahel. This has proved a disaster for Chad because its economy is heavily dependent on agriculture. However, the recent discovery of oil has started to bring wealth into the country. Politically, Chad remains an unstable place.



Camels being brought to drink at the waters of Lake Chad

DISAPPEARING WATERS

Lake Chad was once a huge expanse of water that formed the meeting point of Chad, Cameroon, Niger, and Nigeria. In the past, water poured into Lake Chad from surrounding rivers, but as the climate has become drier (over the past 10,000 years), the lake has dried up. The shrinking lake poses a serious problem for the local people, who rely on its fish for food.



Original size of the lake, more than one million years ago

Areas of damp, fertile land are left behind as the waters of the lake retreat.

Lake Chad today



Gourds are one of the crops grown on the fertile land surrounding Lake Chad. When cut and dried, gourds can be carved and decorated.

SAO TOME AND PRINCIPE

THE VOLCANIC ISLANDS of São Tomé and Príncipe lie off the coast of Equatorial Guinea and Gabon. Dense tropical forest cloaks the upper slopes while lower down farms and large plantations growing cocoa and sugar can be found. The islands were ruled by Portugal until 1975. Today, the people make a living from farming and fishing, and cocoa remains a vital crop.

CREOLE CULTURE

No one was living on these islands when the Portuguese first landed in the 1400s. Soon a population was built of slaves imported from the mainland. Today, one of the main groups of people combine both African and Portuguese ancestry, and have created a Creole culture with a distinctive language and style of building.



VOLCANIC LANDSCAPE

This part of Africa lies on a fault line – a crack in the Earth's crust. Molten rock can seep through this crack and cool to form volcanoes. These islands are the peaks of such volcanoes. Their soil is enriched by volcanic ash, which makes it extremely fertile.

Find out more

COCOA: 227, 228, 234
PEOPLES OF AFRICA: 206–207
SAHEL: 220, 222
VOLCANOES: 13

**GABON**

Capital city: Libreville
Area: 103,346 sq miles (267,667 sq km)
Population: 1,300,000
Official language: French
Major religions: Christian 55%, traditional beliefs 40%, other 5%
Government: Multiparty democracy
Currency: CFA franc
Adult literacy rate: 71%
Life expectancy: 53 years
People per doctor: 5,000
Televisions: 55 per 1,000 people

CONGO

Capital city: Brazzaville
Area: 132,046 sq miles (342,000 sq km)
Population: 3,700,000
Official language: French
Major religions: Traditional beliefs 50%, Christian 48%, Muslim 2%
Government: Multiparty democracy
Currency: CFA franc
Adult literacy rate: 83%
Life expectancy: 52 years
People per doctor: 3,333
Televisions: 12 per 1,000 people

Oil is of vital importance to Congo, bringing in 90 percent of the country's export income.



GABON

SITTING ASTRIDE THE EQUATOR, with plentiful rain all year round, three-quarters of Gabon is covered with tropical rain forest. Lumber is an increasingly valuable resource, although Gabon's biggest earner is oil. This should have made Gabon a wealthy country, but most people are very poor. This is partly because after independence in 1960, a one-party state was created that wasted much of the wealth. In 1990 Gabon became a multiparty democracy.

**PEOPLE**

Although just over 1 million people live in Gabon, there are about 40 different ethnic groups here, each speaking their own dialect. The largest group is the Fang, known for its warriors and skilled wood carvers. Many people in Gabon moved here from other African countries in search of work.

CONGO

CONGO'S EASTERN BORDER follows the course of the Congo River and the Ubangi, its main tributary, or offshoot. Oil reserves have boosted Congo's economy considerably in recent years. Although ordinary people have benefited from this – more than those in Gabon – many still scratch out a living from farming, producing just enough to feed themselves. Cassava, a starchy root vegetable, is the major food crop.

OIL WEALTH

The government has wisely invested the money that comes from oil in the economy, in projects such as dams, paper mills, transportation systems, and reforestation. Although industry is limited, there is a skilled workforce. Most industries are found around the towns and cities, especially Congo's capital, Brazzaville.

**LIBREVILLE**

The capital city, Libreville, means "free town" in French, and was founded in 1849 as a haven for freed slaves. French influence is strong because Gabon was colonized by France during the 1800s. Libreville is a bustling modern city, where some people enjoy great wealth, in contrast to the poverty suffered by most people on the city streets.

MINERAL RICH

Oil and manganese became important exports in the 1960s. This manganese mine is in southeastern Gabon. The country is one of the world's biggest producers of the mineral, which is used to make paints, batteries, and steel. There are also plentiful reserves of iron ore and other metals, but these have yet to be developed to their full potential.



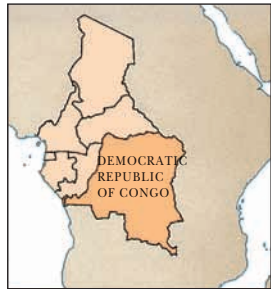
Animal skin stretched across the top and secured with pegs

DRUMBEAT

As in other parts of Africa, music is a vital part of life, and drumbeats form the backbone of this music. Many drums are wooden, and the one shown here is almost as tall as its players. One popular style in the region is called Congo music, which is similar to soul music.

Find out more

CASSAVA: 221, 240
 OIL: 152, 230, 281
 POLITICAL SYSTEMS: 270–271
 RAIN FORESTS: 15, 69, 204



DEMOCRATIC REPUBLIC OF THE CONGO

ASIDE FROM A TINY FINGER of land that stretches to the coast, the vast country of the Democratic Republic of Congo is landlocked. The Congo River snakes its way through the country, providing a watery lifeline for its people. The climate is warm and wet, and most people are farmers. Since independence from Belgium in 1960, the Democratic Republic of the Congo has suffered from civil war, a harsh dictator, and falling prices for its products. These problems have made it one of the world's poorest countries.

DEM. REP. OF CONGO

Capital city: Kinshasa
Area: 905,563 sq miles (2,345,410 sq km)
Population: 52,800,000
Official language: French
Major religions: Christian 70%, Muslim 10%, traditional beliefs 10%, other 10%
Government: Multiparty democracy
Currency: Congolese franc
Adult literacy rate: 63%
Life expectancy: 45 years
People per doctor: 10,000
Televisions: 135 per 1,000 people

CONGO RIVER

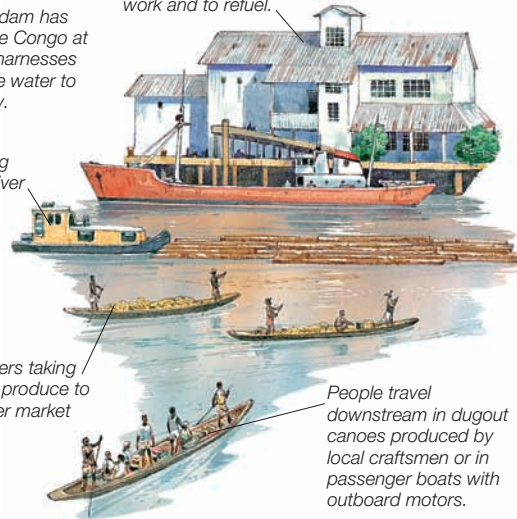
The people here call the Congo River the Zaire. One of the largest rivers in the world, this wide ribbon of water forms the nation's transportation system, cutting a great upside-down "U" through miles of forest. People traveling from place to place crowd into motorized boats and dugout canoes. Some large boats are even floating health clinics or bars. The river's fish provide vital food, while crops are even grown on the fertile riverbanks.



A hydroelectric dam has been built on the Congo at Inga. The dam harnesses the power of the water to create electricity.

Tugboat pushing logs along the river

Boats stop at river ports for repair work and to refuel.



Traders taking their produce to a river market

People travel downstream in dugout canoes produced by local craftsmen or in passenger boats with outboard motors.

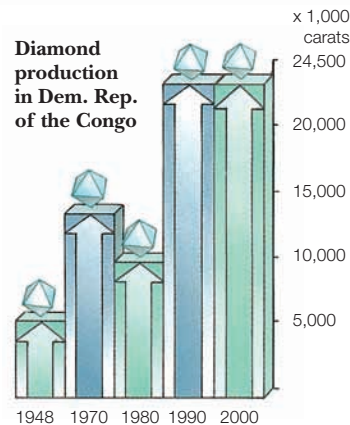


The course of the Congo River

The curving Congo River crosses the Equator twice.

MINING WEALTH

The Democratic Republic of the Congo's mining industry seems to hold the key to greater wealth in the future. There are vast seams of copper, cobalt, gold, uranium, silver, and diamonds here, and reserves of oil lie just off the coast. Copper mining, shown below, is very important, but when the price of copper fell in the 1970s, the economy virtually collapsed.



The Democratic Republic of the Congo is one of the biggest producers of diamonds in the world. Together with copper and cobalt, they provide over 85% of the country's export earnings.



MARKETS

Colorful, bustling river ports are meeting points for trade and travel along the Congo River. Stores selling travel provisions or farming tools nestle alongside markets where people from riverside villages come to sell their goods. Markets are not only based on land. Traders often sell their fresh vegetables and fish directly from their dugout canoes.



Shells sewn onto material made from vegetable fibers

AFRICAN ART

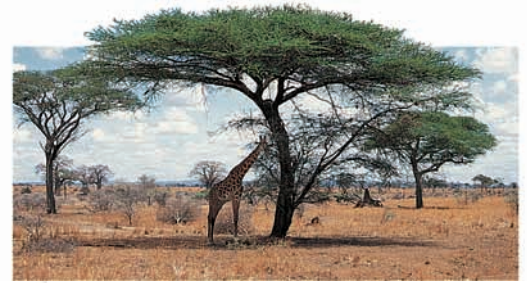
The Democratic Republic of the Congo is famous for its distinctive art. The Kuba people of the country's central region, whose ancestors date back many centuries, use shells, beads, and raffia (fibers from palm leaves) to create geometric patterns. A Kuba chief would have worn the haunting mask shown above in order to take on some of the power of a great spirit.

Find out more

- COPPER MINING: 73, 245
- DIAMONDS: 150, 226, 248
- HYDROELECTRICITY: 108, 262
- POLITICAL SYSTEMS: 270-271

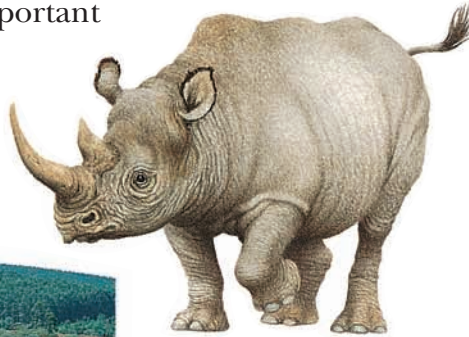
CENTRAL EAST AFRICA

A LINE OF DRAMATIC HIGHLANDS, volcanic mountains, gorges, and vast lakes runs through this region from Uganda in the north to Malawi in the south. This is part of a huge split in the Earth's crust known as the Great Rift Valley. Much of the rest of the landscape is flat grassland, called savanna – the perfect environment for big game animals, which draw thousands of tourists to countries such as Kenya and Tanzania. Growing tea and coffee provides another important source of income for the seven countries of the region. Mining and small-scale farming have always been important, and other industries are now increasing.



SAVANNA LANDSCAPE

Golden grasses that can grow up to 13 ft (4 m) tall cover the flat savanna. Rains come only once a year, so the grasses make the most of whatever water is available by spreading long roots deep into the soil. Needlelike leaves on acacia trees minimize water loss, while baobab trees can store water in their swollen trunks. To protect this landscape and its wildlife, vast areas have been turned into game parks, such as the Serengeti in Tanzania and the Masai Mara in Kenya.



ANIMALS OF THE SAVANNA
Rhinoceroses, giraffes, elephants, antelopes, and zebras wander across the savanna in search of pasture and water. They are closely watched by cheetahs, lions, and leopards, waiting to kill any weak animals. Finally, jackals and vultures will move in to finish off the carcasses.

Masai warriors and women wear jewelry – usually bead necklaces, large earrings, and copper bracelets.

Most Masai men have more than one wife. Each wife lives in a separate hut with her children.

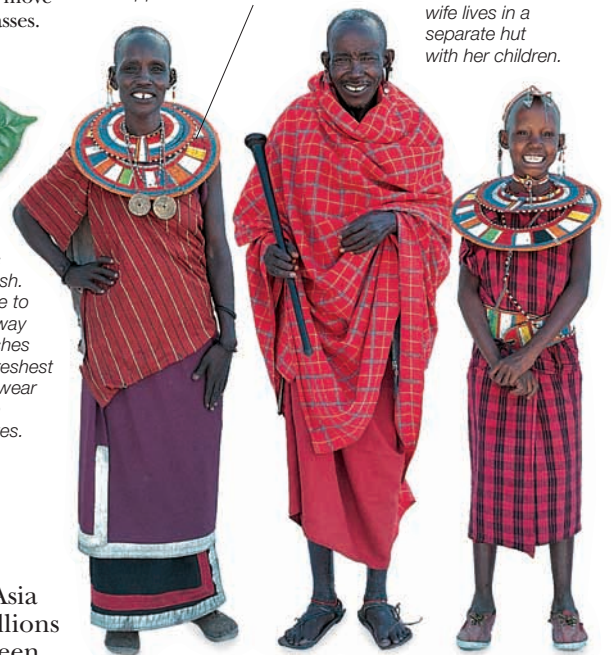


FARMING IN THE HIGHLANDS

Most farmers in this region produce only enough food to feed their own families, either from small plots of land or from cattle herding. In the highland areas, which have a cool, moist climate, the volcanic soils are particularly fertile and companies own large farms where tea and coffee are grown for export. However, as the population has grown, farms have been divided up into impossibly small units. The soil has begun to erode, too, since farmers cultivate even the steepest slopes.



Tea is made from the leaves of the tea bush. Pickers have to push their way into the bushes to reach the freshest shoots, so they wear rubber aprons to protect themselves.



NOMADIC CATTLE FARMERS

In the lowland areas of central east Africa, where lack of rainfall makes growing crops difficult, nomadic people travel with herds of cattle, sheep, goats, and sometimes donkeys and camels in search of water and grazing. In Kenya, the Masai people herd humpbacked zebu cattle in the area south of Nairobi straddling the Tanzanian border. The Masai keep their cattle for milk and for blood, which they draw off from a vein through a thin reed to drink.



Africa's tallest mountain is Mount Kilimanjaro, a dormant volcano in the Tanzanian part of the Rift Valley.

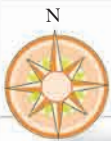
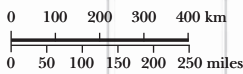
THE RIFT VALLEY

The Great Rift Valley stretches 4,350 miles (7,000 km) from Syria in Asia to Mozambique. Over millions of years, movement between two of the plates that form the Earth's crust has created this dramatic landscape. In some places, this movement has formed steep-sided valleys such as Kenya's Mau Escarpment. Elsewhere, volcanic peaks have erupted and wide plateaus, such as the Athi Plains in Kenya, have formed where lava has seeped through the Earth's surface.



RIFT VALLEY FISHING

A chain of large fresh- and saltwater lakes runs along the Rift Valley. Many of the lakes are home to vast numbers of fish, and along the shores of Lake Albert (Mobutu Sese Seko), Lake Nyasa (Lake Malawi), and Lake Tanganyika many people make a living by fishing with small nets or spears.



Kampala, Uganda
 ☀ Jan 74°F (23°C)
 ☀ July 70°F (21°C)
 ☁ Jan 1.8 in (46 mm)
 ☁ July 1.8 in (46 mm)



Nairobi, Kenya
 ☀ Jan 66°F (19°C)
 ☀ July 60°F (16°C)
 ☁ Jan 1.5 in (38 mm)
 ☁ July 0.6 in (15 mm)



Lusaka, Zambia
 ☀ Jan 71°F (22°C)
 ☀ July 61°F (16°C)
 ☁ Jan 9.1 in (231 mm)
 ☁ July 0 in (0 mm)

Dar es Salaam, Tanzania
 ☀ Jan 82°F (28°C)
 ☀ July 75°F (24°C)
 ☁ Jan 2.6 in (66 mm)
 ☁ July 1.2 in (31 mm)

THINGS TO LOOK FOR ON THE MAP

Longest river: Luangwa, Zambia/Mozambique, 500 miles (804 km) *Map G11*

Highest point: Mt. Kilimanjaro, Tanzania, 19,341 ft (5,895 m) *Map J6*

Largest lake: L. Victoria, Tanzania/Uganda/Kenya, 26,828 sq miles (69,484 sq km) *Map G6*



UGANDA

BEFORE INDEPENDENCE IN 1962, Uganda was a prosperous country – Winston Churchill called it the “Pearl of Africa.” But by 1986, the country lay shattered and bankrupt. From 1971–79, President Idi Amin ruled Uganda as a dictator. Thousands of people were persecuted or murdered. Europeans and Asians were expelled and their property seized. International aid was cut off when other countries realized how corrupt Amin’s government was. In 1979, Amin was deposed, but the disruption continued until 1986, when President Yoweri Museveni came to power. His government restored peace and has begun to rebuild the economy.

UGANDA	
Capital city:	Kampala
Area:	91,135 sq miles (236,040 sq km)
Population:	25,800,000
Official language:	English
Major religions:	Traditional beliefs 84%, Muslim 8%, other 8%
Government:	Non-party government
Currency:	New Uganda Shilling
Adult literacy rate:	69%
Life expectancy:	43 years
People per doctor:	20,000
Televisions:	27 per 1,000 people



FISHING IN LAKE VICTORIA
Vast, shallow Lake Victoria is shared by Uganda, Tanzania, and Kenya. Huge Nile perch fish were introduced to the lake 30 years ago to increase fish production and provide sport fishing for tourists. Since then the perch have spread to every corner of Lake Victoria and have devoured most of its original species.

The cassava plant grows up to 3 ft (90 cm) tall. It is grown for its roots, which can be eaten as a vegetable or ground to make flour.



Kampala is said to be built on seven hills. The city center lies on just one of them – Nakasero Hill.



FARMING

Fertile, volcanic soil and high levels of rainfall make more than four-fifths of Uganda’s land suitable for farming. Large plantations produce the coffee, cotton, and tea that make up 90 percent of the country’s exports. Although 90 percent of Ugandans work on farms, most are involved in small-scale farming, growing crops such as corn, millet, cassava, and sweet potatoes for their own use or to sell in local markets.



Sweet potato (left) and cassava (right) are common vegetables in this region.

KAMPALA

People in Uganda’s capital, Kampala, rarely go out without an umbrella, since most days see a heavy downpour in the afternoon. Kampala has an average of 242 days a year with violent thunderstorms. By evening, the rain has stopped and the air is cool. Kampala suffered much destruction during and immediately after Amin’s period in power, but is now being restored with the help of foreign investment.

WILDLIFE

In Ruwenzori National Park, tourists can take a boat trip down the Kazinga Channel to see thousands of hippos and pelicans. Much of Uganda’s wildlife was wiped out during the years of conflict, and today there are not many places in Africa where you are likely to see so many hippos.



What Have You Heard About AIDS?

What Does It Mean?
How Does It Harm Us?
Who Can Get It?
What Causes It?
How Can We Stop It?

What Can We Do For People Who Have It?
How Can It Be Cured?
What Does It Look Like?
Which Of Us Has It?

**Don't GUESS the Answers!
LEARN THE TRUTH ABOUT AIDS!**

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AIDS AWARENESS

Uganda has one of the highest numbers of HIV and AIDS sufferers in the world. HIV (which can lead to AIDS) is a mainly sexually transmitted disease and as yet there is no known cure for it. Doctors are trying to teach people how to avoid contracting the disease. Special campaigns aimed at educating children, such as this UNICEF poster, have dramatically reduced the rate of infection.

Find out more

- COFFEE: 50, 62, 66
- LAKE VICTORIA: 204
- POLITICAL SYSTEMS: 270–271
- TEA: 172, 238



RWANDA

Capital city: Kigali

Area: 10,169 sq miles
(26,338 sq km)

Population: 8,400,000

Official languages:
French and Kinyarwanda

Major religions:
Traditional beliefs 50%,
Christian 45%, other 5%

Government: Multi-party
democracy

Currency: Rwanda franc

Adult literacy rate: 69%

Life expectancy: 40 years

People per doctor: 20,000

Televisions: No figures
available

BURUNDI

Capital city: Bujumbura

Area: 10,745 sq miles
(27,830 sq km)

Population: 6,800,000

Official languages:
French and Kirundi

Major religions: Christian
60%, traditional beliefs
39%, Muslim 1%

Government: Transitional
government

Currency: Burundi franc

Adult literacy rate: 50%

Life expectancy: 42 years

People per doctor: 10,000

Televisions: 4 per 1,000
people

RWANDA

SINCE 1994, RWANDA HAS rarely been out of the news. War between the two main ethnic groups – the Tutsi and Hutu – has torn Rwanda apart and wrecked its economy, leaving it one of the poorest countries in the world. Before the war, Rwanda's main export was coffee. Today, although 95 percent of the people still live off the land, few crops are grown for export. The country's instability has also hindered attempts to develop manufacturing and mining industries.



There are only about 650 gorillas left in the world. The mountain gorilla is found only in this region of Africa.



MOUNTAIN GORILLAS

One of the last known refuges for the mountain gorilla is the Volcanoes National Park in Rwanda. Even though the gorilla is protected here, it is still in danger of extinction by poachers, and its habitat is threatened by farming.

HEALTH

Rwanda is one of Africa's most densely populated countries and the population continues to grow. Most Rwandan women have at least six children, compared to an average of only one or two in developed countries. However, few Rwandans live to be over 50. Diseases such as malaria and AIDS are common, and medical facilities are in short supply and are rarely free, so few people can afford them.

BURUNDI

UNTIL INDEPENDENCE IN 1962, Burundi and neighboring Rwanda formed one country. Like Rwanda, Burundi is home to both Tutsi and Hutu people, and the wars between these tribes have been part of Burundi's history, too. In 1972, about 10,000 Hutu were killed by Tutsis. Warfare continues today, although a peace agreement was reached in 2000. Burundi's problems are made worse by fighting in neighboring Democratic Republic of the Congo.

DRUMMING GROUPS

In Burundi, stories, songs, and music are passed down from generation to generation rather than written down in a formal way. Tutsi folk dancing is one of the highlights of traditional culture, as are the groups of 12 to 15 drummers who play together with no other instruments.



GENOCIDE

In 1994, centuries-old tensions between the majority Hutu and minority Tutsi populations boiled over into one of the world's worst acts of genocide (the murder of one ethnic group). Around 800,000 of the previously dominant Tutsi were massacred alongside some of their Hutu supporters. Over one million Rwandans fled the country. Although peace has been restored, few people have been put on trial and tensions remain high.



POPULATION PRESSURE

Most people in Burundi make a living from farming. So many people live in the most fertile areas that land is very scarce. Plots of land are usually just large enough to support a family in good years, but bad weather or disease can lead to widespread famine. In some areas, the land is so overused that the soil has begun to erode.



Find out more

HEALTH: 276
POPULATION: 16–17, 206
REFUGEES: 207
SOIL EROSION: 55, 244



KENYA

UNLIKE MANY AFRICAN countries, Kenya has been stable and relatively democratic since it gained its independence from Britain in 1963. Under British rule, large farms were created in many areas to produce cash crops, and a network of roads and railroads was built to link ports and towns. Today, Kenya is one of Africa's richest countries, producing crops such as coffee and tea for export, and welcoming tourists to its vast game reserves. Side-by-side with this, many people still make their living from small farms or cattle herding. Kenya has one of the world's fastest growing populations, which has led to increasing poverty, rivalry over land, and some ethnic violence.



NAIROBI

Lions, giraffes, and cheetahs roam the plains that surround Kenya's capital, Nairobi, with the skyscrapers of the modern city as a backdrop. This is the largest city in eastern Africa, with a population of about 3 million people. It developed after European colonization as a convenient stopping place on the railroad from Uganda to Kenya's main port of Mombasa.

KENYA	
Capital city:	Nairobi
Area:	224,961 sq miles (582,650 sq km)
Population:	32,000,000
Official language:	Kiswahili, English
Major religions:	Christian 60%, traditional beliefs 25%, Muslim 6%, other 9%
Government:	Multiparty democracy
Currency:	Kenya shilling
Adult literacy rate:	84%
Life expectancy:	46 years
People per doctor:	10,000

Kenya's main crops

The main farming area, shown enlarged on the map below, is in the southwest of the country.



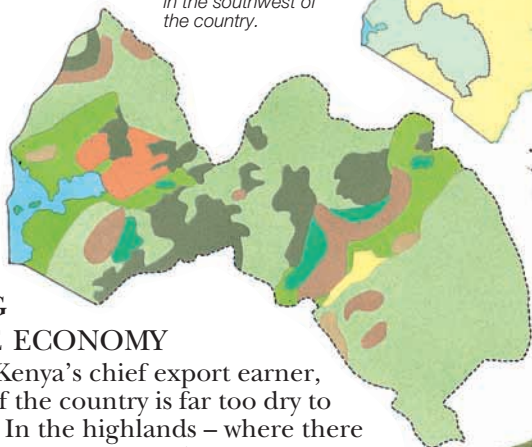
On game reserves such as Kenya's Masai Mara and Amboseli National Park, tourists can photograph wild animals close up.



TOURISM

Tropical beaches and some of Africa's best game reserves attract thousands of tourists to Kenya. Tourism is vital to the country's economy, and the government has invested in roads, airports, and hotels to make Kenya one of the easiest and most comfortable African countries for tourists to visit. Because most people come to see the animals on game reserves, the government has placed a high priority on protecting wildlife and stamping out poaching.

- Coffee
- Tea
- Sisal
- Sugarcane
- Rice
- Forest
- Other



FARMING AND THE ECONOMY

Farming is Kenya's chief export earner, but much of the country is far too dry to grow crops. In the highlands – where there is more rain – tea, coffee, wheat, corn, sisal, and sugarcane are grown. Where less water is available, dairy and meat cattle are farmed on large ranches. Dams and lakes provide water to irrigate land for growing market garden crops, such as green beans, which are exported by air to foreign supermarkets.



KENYAN PEOPLES

These villagers belong to Kenya's largest tribe, the Kikuyu, who live around Kirinyaga (Mount Kenya). The Kikuyu god, Ngai, is believed to live on the mountain, so the Kikuyu traditionally built their houses with the doors facing the mountain. Like two-thirds of the country's 70 tribal groups, the Kikuyu speak Bantu. Small numbers of Asians, Arabs, and Europeans also live in Kenya.



KENYAN ATHLETES

Athletes from Kenya's Rift Valley area excel at running long distances. They have won the gold medal in the Olympic 3,000 m steeplechase events in five recent Olympic Games, and Kenyan Moses Kiptanui was the first man to run the 3,000 m steeplechase in under eight minutes. The runners' skill may stem from the high altitude they live and train in, or from years of running long distances to school.

Find out more

- AFRICAN CITIES: 206
- HIGHLAND FARMING: 238
- POPULATION: 16–17, 206
- RIFT VALLEY: 204



TANZANIA	
Capital city:	Dodoma
Area:	364,898 sq miles (945,087 sq km)
Population:	37,000,000
Official languages:	Kiswahili, English
Major religions:	Traditional beliefs 30%, Christian 33%, Muslim 33%, other 4%
Government:	Multiparty democracy
Currency:	Tanzanian shilling
Adult literacy rate:	77%
Life expectancy:	43 years
People per doctor:	25,000
Televisions:	21 per 1,000 people

TANZANIA

TANZANIA WAS CREATED in 1964, when the mainland country of Tanganyika and the island of Zanzibar united. For its first 21 years Tanzania had a socialist government that tried to encourage people to work together on programs such as state-run plantations. Although it is now expanding its range of exports, Tanzania is much poorer than neighboring Kenya, and only about one third of people live in towns and cities. About 120 different peoples live here, most of whom speak Kiswahili, a language developed as a means of communication between Africans and foreign traders.



The name Dar es Salaam means "Haven of Peace." The city is still fairly small, with few high-rise buildings and many low, red-tiled roofs.

DAR ES SALAAM
Although Tanzania's capital is now the inland city of Dodoma, the old capital, Dar es Salaam, remains the country's biggest city and port. It is also the end of the TanZam railroad, which carries goods from land-locked Zambia to the sea.



TANZANIAN VILLAGES

The country's population used to be scattered in small villages. Then, in 1970, the government started a program to resettle the population in larger villages of about 250 households. By grouping people together in this way, it is easier and more economic to provide schools, water, and other services, and to distribute fertilizers and seeds. Today, 66 percent of Tanzanians live in villages in the countryside.



OLDUVAI GORGE

The steep sides of Olduvai Gorge in northern Tanzania were carved out of the flat Serengeti Plain by the flow of water over millions of years. Here, archeologists have unearthed fossils of the earliest humans, dating back 2 million years. Yet more ancient footprints of humanlike creatures have been discovered, too, left by two adults and a child walking across the still-soft lava that formed the plain 3.5 million years ago.



Making sisal fiber

The outer leaves of the sisal plant are cut off close to the stalk when they reach their full length.

The sisal fiber is usually obtained by crushing the leaves between rollers. The pulp is removed, leaving strands of white fiber over 3 ft (1 m) long.



The strands of fiber are washed and then hung out to dry.



String made from sisal

SISAL

One of Tanzania's main crops is sisal, a plant with leaves that are used to make rope and twine, and also mats, brushes, hats, and baskets. Sisal ropes are particularly useful on board ships since they do not rot in seawater. However, Tanzania's sisal trade is now under threat because many products made with sisal in the past can now be made with synthetic substitutes.



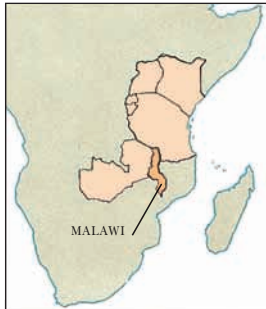
The buildings and style of clothes reflect Zanzibar's continuing Arabic flavor.

ZANZIBAR

Off Tanzania's coast lies the island of Zanzibar. In the 18th and 19th centuries, the port of Zanzibar, on the island's western side, was used as an Arab trading post. African slaves passed through here, en route to the Arab world. The island's main crop, cloves, was also shipped out of the port. The clove tree was only introduced to the island in 1818, but today Zanzibar is the world's third largest producer.

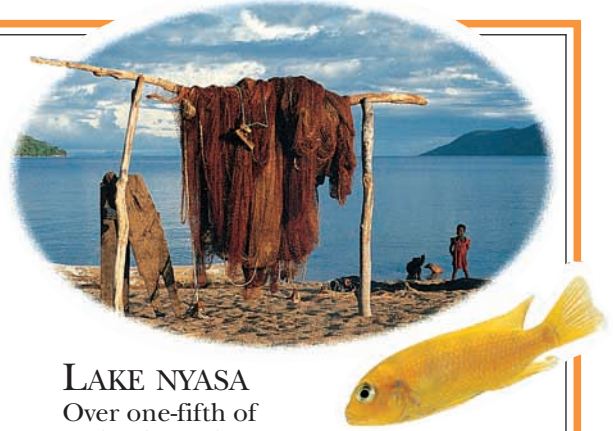
Find out more

- EARLY PEOPLE: 206
- POLITICAL SYSTEMS: 270-271
- POPULATION DISTRIBUTION: 206
- TANZAM RAILROAD: 245



MALAWI

LYING ON A PLATEAU at the southern end of the Great Rift Valley, Malawi's six major tribal groups have lived together in relative peace. This was in part due to the harsh rule of the dictator Hastings Banda. Since democracy was introduced in 1994, however, there have been some open political tensions. Malawi's economy is based on agriculture, but the government is trying to encourage the growth of agricultural processing industries, such as food canning and cooking oil manufacture, as well as mining and other heavy industries. New mineral deposits were discovered in 2000.



LAKE NYASA

Over one-fifth of Malawi's total area is taken up by Lake Nyasa, one of the largest and deepest lakes in the world.

Fishermen collect these brightly colored fish, called cichlids, for export to aquariums around the world.

A huge fishing industry has developed around the lake, which is home to more than 500 species of fish. A sardinelike fish called the usipa is one of the main catches. The fish are dried on the shore and sold throughout Malawi. However, overfishing has meant that there are not enough fish left over for export.

MALAWI	
Capital city: Lilongwe	
Area: 45,745 sq miles (118,480 sq km)	
Population: 12,100,000	
Official languages: English	
Major religions: Christian 75%, Muslim 20%, traditional beliefs 5%	
Government: Multiparty democracy	
Currency: Malawian kwacha	
Adult literacy rate: 62%	
Life expectancy: 38 years	
People per doctor: 20,000	
Televisions: 2 per 1,000 people	

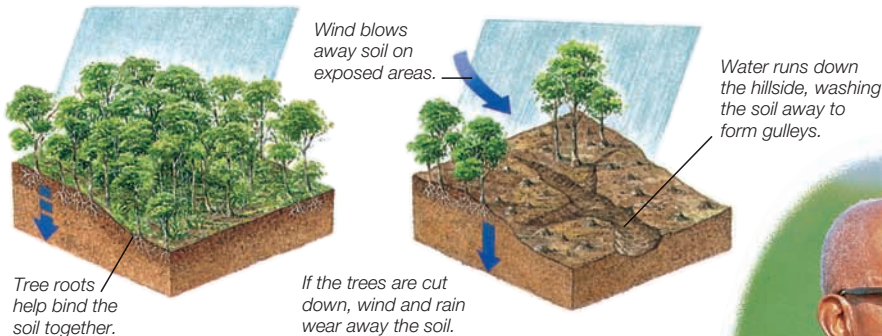
Many people grow just enough food to feed themselves and their families. If there is any extra produce, they sell it in local markets like this one.



FARMING

Farming is the most important business in Malawi. Tobacco, tea, and sugar make up 85 percent of exports, and more than 80 percent of Malawi's population makes a living by farming. To increase the land available to farm, swamps have been drained and woodland has been cleared. Rivers have been dammed and wells dug to water dry grasslands. Poor harvests can lead to extreme hardship among Malawi's people.

Soil erosion



FORESTS

Forest and woodland cover nearly half the country, but huge areas have been cut down for fuel and to clear land for farming. Malawi has no oil and little coal, so the most popular fuel is charcoal, made by partially burning wood so that it becomes smokeless and slow-burning. Where more land is needed for farming, trees are cut down and burned, and crops are grown in the ashes. Such land is fertile for only a short time because the forest soil is quickly eroded.

PEOPLE OF MALAWI

Malawi is one of the least urbanized countries in the world, with 85 percent of its population living in villages in the countryside, mostly near seasonal wetlands called *dambos*. Villages are small and are usually made up of people who are closely related. Unlike many other African countries, Malawi's main ethnic groups, the Chewas, Nyanja, Tumbuka, Tonga, Ngonis, and Yao, live together peacefully.

HASTINGS BANDA

For 30 years after achieving independence in 1964, Dr. Hastings Banda was president of Malawi, ruling the country virtually alone. His government helped the country become strong and self-reliant, but other political opinions were not tolerated and many people were tortured or imprisoned. In 1994, democratic elections led to Banda's downfall.



Find out more

DEFORESTATION:	69, 227, 233
PEOPLES OF AFRICA:	206–207
POLITICAL SYSTEMS:	270–271
REFUGEES:	207

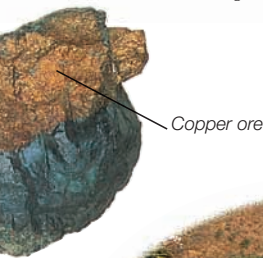
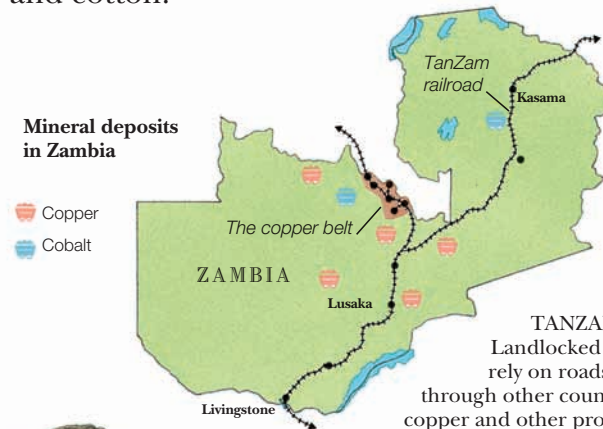
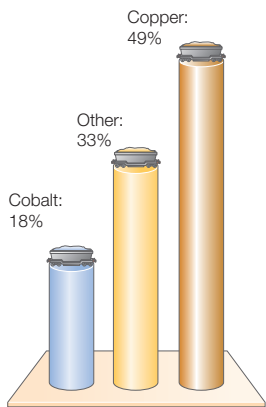


ZAMBIA

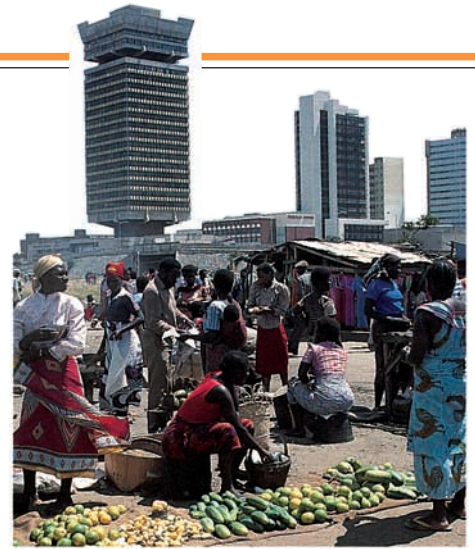
ZAMBIA OCCUPIES A BROAD plateau scattered with mountains and deep valleys. After independence from Britain in 1963, political violence based on tribal differences rocked the country until 1972, when President Kenneth Kaunda declared a one-party state. In 1991, Kaunda was defeated in the first democratic election in 19 years. Today, the country is less affected by ethnic conflict than many African states, even though there are 14 main tribal groups. Zambia is the world's largest producer of copper, and also exports seasonal vegetables, flowers, and cotton.

ZAMBIA	
Capital city:	Lusaka
Area:	290,584 sq miles (752,614 sq km)
Population:	10,800,000
Official languages:	English
Major religions:	Christian 63%, traditional beliefs 36%, other 1%
Government:	Multiparty democracy
Currency:	Zambian kwacha
Adult literacy rate:	80%
Life expectancy:	37 years
People per doctor:	10,000
Televisions:	137 per 1,000 people

Zambia's exports



TANZAM RAILROAD
Landlocked Zambia has to rely on roads and railroads through other countries to export copper and other products to ports, so good relations with its neighbors are important. Until the 1960s, most goods went through Rhodesia (now Zimbabwe), but relations between the two countries broke down. Today, the main trade route is the TanZam railroad through Tanzania.



CITIES

A chain of shantytowns lies along the railroad linking Zambia's copper belt with the capital, Lusaka. The makeshift shacks have no water, power, or drains, and disease is widespread. Most people here have jobs in the copper industry. In fact, 40 percent of Zambians live in the towns, making it the most urbanized country in the region. Many Zambian families have been city dwellers for three or four generations, which is rare in Africa.



The TanZam railroad links Zambia to the port of Dar es Salaam in neighboring Tanzania.

COPPER MINING

Seams of copper run through an area more than 200 miles (320 km) long and 30 miles (50 km) wide in central Zambia called the copper belt. First developed commercially in the 1930s, copper mining has funded much of Zambia's development. Copper accounts for 50 percent of the country's exports, and if the world price of copper were to fall, Zambia's economy could be wrecked. To add to this problem, the copper reserves are beginning to run out.



ZAMBEZI RIVER

Forming Zambia's southern border, the Zambezi River is one of the country's main tourist attractions. Visitors can go white-water rafting on the river, take a wildlife safari in one of the area's game parks, and visit the magnificent Victoria Falls. A huge dam at Kariba provides power in the form of hydroelectricity for Zambia's copper belt and for neighboring Zimbabwe. Lake Kariba, the artificial lake formed by the dam, is a popular fishing destination for tourists.



FISH EAGLE
National parks, set up to protect wildlife, take up more than one-third of the country's area. The fish eagle is Zambia's national symbol, and appears on the country's flag. It is common around open stretches of water, where it swoops down to snatch fish from the surface and rises up with a fish in its talons.

Find out more

- EXPORT DEPENDENCY: 281
- HYDROELECTRICITY: 108, 262
- POLITICAL SYSTEMS: 270-271
- VICTORIA FALLS: 250

SOUTHERN AFRICA

THE EIGHT COUNTRIES THAT MAKE UP southern Africa have much in common. Once governed by European settlers, almost all of them had to struggle to achieve independence. Many endured years of vicious warfare. Today, all eight countries are independent, multiracial democracies. Their climates range from warm and mild in the south to tropical in the north, while the landscape includes both deserts and rain forests, vast plains, and towering mountain ranges. The population varies in wealth from extremely rich industrialists and landowners in South Africa to hunter-gatherer Bushmen in the Kalahari Desert.

Magnificent Table Mountain towers above Cape Town in the Cape Peninsula, South Africa. The Cape is home to many unique species of plants and flowers.



A LAND OF CONTRASTS

The landscape of southern Africa varies from the Namib and Kalahari deserts in the west and center to lush vegetation and tropical forests in the north. Inland, vast grassy savannas and woodlands are home to much of the region's wildlife, from the minute *dik-dik* (the world's smallest antelope) to the African elephant. Game reserves and national parks have been set up to protect endangered species. Tourists come from all over the world to visit the reserves and enjoy the dramatic scenery.

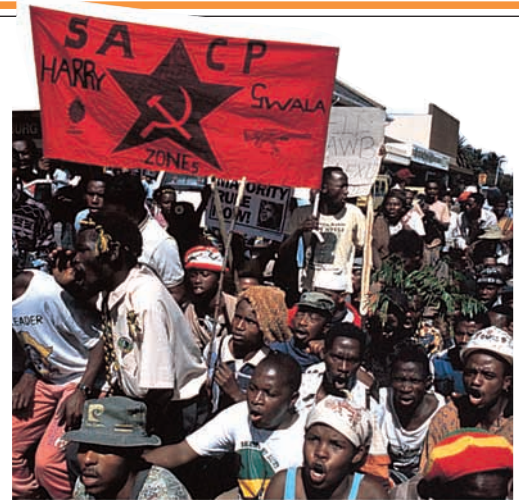


KALAHARI BUSHMEN

The Bushmen, or San, of the Kalahari Desert are one of the few groups of hunter-gatherers left in Africa. These people live and work together in small, tightly knit communities. Traditionally they moved from place to place, searching for insects and edible plants and hunting small animals with poisonous arrows. Today, however, many of the San live a more settled existence.

MINERAL RICHES

Southern Africa is rich in mineral resources. Much of the world's gold, diamonds, uranium, and copper come from the region, and have transformed the local economies. Botswana is the most dependent upon its minerals. Almost 80 percent of the country's export earnings come from diamonds. South Africa is the world's leading producer of gold, and Namibia has one of the world's largest uranium mines. Coal is southern Africa's major source of energy. South Africa, Zimbabwe, Botswana, and Mozambique all have large coal reserves.



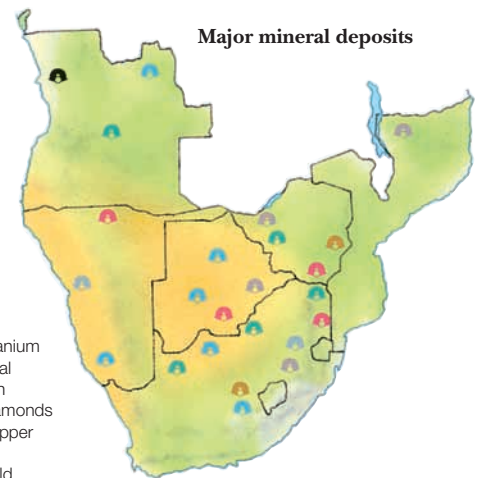
Before 1994, demonstrations against apartheid were held throughout South Africa.

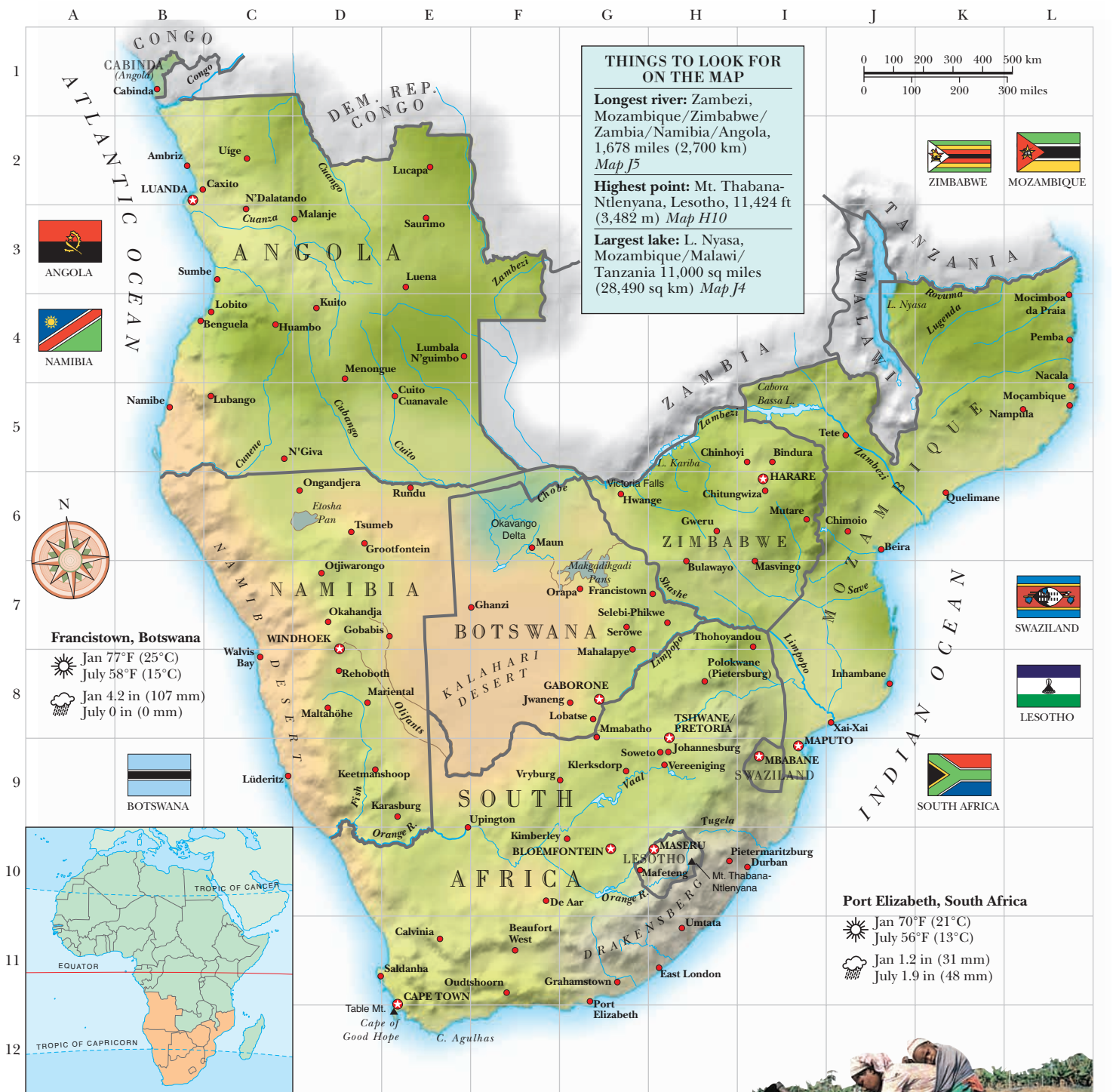
POLITICS

Southern Africa is dominated by the politics of South Africa. After 1948, South Africa pursued a policy of separate development for white and black people known as apartheid. South Africa tried to weaken the neighboring countries that opposed it. It supported rebels fighting the Angolan and Mozambique governments, and helped those resisting black rule in Zimbabwe and Namibia. The ending of white rule in 1994 led to better relations between South Africa and its neighbors.



OKAVANGO DELTA
Unlike most rivers, which run out to the sea, the Okavango River runs inland into a desert. The river begins in Angola, then flows southeast through Namibia into a delta in the Kalahari Desert in Botswana. The vast swamps and waterways of the river and its delta cover an area of more than 8,500 sq miles (22,000 sq km). This provides a haven for a wide variety of plants and animals. People travel into the swamps in dugout canoes, called *mokoros*.





CITY GROWTH

Across southern Africa, people are leaving the countryside and moving to the cities in search of work. The outlying areas surrounding such cities as Johannesburg in South Africa are crammed with shantytowns which are now a permanent feature of the landscape. Maputo, the capital of Mozambique (right), doubled in size between 1975 and 1983 and now contains more than 1.5 million people.



WOMEN'S ROLE
In traditional African society, women generally acted as wives and mothers and were responsible for routine household tasks and growing crops. Today, many African men work away from home in the mines and cities for one or two years at a time, leaving women to form a majority in their villages. This means that women are now taking on more responsibility in the communities.



ANGOLA

ANGOLA SHOULD BE ONE of the most successful countries in Africa. The land is largely fertile, with dense tropical forests in the north giving way to drier grasslands in the south. Farmers produce enough food to support the small population, while huge oil and mineral reserves bring wealth to the economy. However, Angola has been torn apart by a civil war that began in 1975. Few parts of the country have been left unaffected by the fighting, which has killed or injured thousands of people and reduced this potentially rich country to poverty.



CIVIL WAR

In 1975, Portuguese rule in Angola ended and civil war broke out. The conflict was between the Angolan People's Liberation Movement (MPLA), supported by the Soviet Union and Cuba, and the National Union for Total Angolan Independence (UNITA), supported by South Africa and the US. After a ceasefire in 1991, the MPLA was elected to power, but fighting broke out again. A ceasefire in 2002 has now brought some peace to this shattered land.

ANGOLA	
Capital city:	Luanda
Area:	481,351 sq miles (1,246,700 sq km)
Population:	13,600,000
Official language:	Portuguese
Major religions:	Christian 70%, other 30%
Government:	Transitional government
Currency:	New kwanza
Adult literacy rate:	40%
Life expectancy:	47 years
People per doctor:	10,000
Televisions:	14 per 1,000 people



BENGUELA RAILROAD

Opened in 1931, the Benguela railroad was built to transport copper and other minerals from the mines of landlocked Zambia and the Congo to the coastal ports of Lobito and Benguela for export around the world. The railroad and ports provided work for many Angolans, who lost their jobs when the railroad was destroyed in the civil war. After the ceasefire of 1991, engineers began to rebuild sections of the track, and plans have been made to reopen the railroad.



- Major towns
- Benguela railroad

The Benguela railroad runs from the coastal ports of Benguela and Lobito in Angola eastward until reaching Zaire.



LUANDA

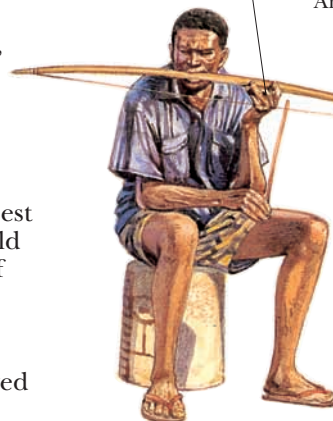
The port of Luanda is Angola's capital and biggest city. Founded by the Portuguese in 1576, for centuries it was a center for shipping slaves to the Portuguese colony of Brazil. The Portuguese built a fort and many other fine buildings, which stand alongside modern skyscrapers. On the hills surrounding the city vast shantytowns house thousands of people.



INDUSTRY

The tiny Angolan territory of Cabinda, to the north of the main part of the country, is one of the richest oil-producing regions in Africa. Offshore oil fields contain reserves of 1.5 billion barrels of oil and vast quantities of natural gas. Some of the richest diamond deposits in the world are found in the northeast of the country, while iron and other minerals are mined farther south. However, constant fighting has destroyed some mines and factories.

A brace divides the bow string into two unequal lengths.



MUSICAL BOW

The Humbi people of southwestern Angola use an ordinary hunting bow as a musical instrument. The musician supports the bow with one hand and holds it in his mouth. As he hits the string with a stick held in his other hand, he produces different notes by altering the shape of his lips.

Find out more

- AFRICAN CITIES: 206
- DIAMONDS: 150, 226, 248
- OIL: 152, 230, 281
- RAILROADS: 245



BOTSWANA

WITH ONE OF THE WORLD'S FASTEST growing economies, based on rich diamond supplies and large cattle ranches, Botswana was one of Africa's few real economic success stories. In recent years, however, it has become the most powerful symbol of Africa's greatest modern threat – HIV and AIDS. It has one of the highest proportions of sufferers in the world – 36 percent of adults are infected.

BOTSWANA	
Capital city:	Gaborone
Area:	231,803 sq miles (600,370 sq km)
Population:	1,800,000
Official language:	English
Major religions:	traditional beliefs 50%, Christian 30%, other 20%
Government:	Multiparty democracy
Currency:	Pula
Adult literacy rate:	79%
Life expectancy:	38 years
People per doctor:	3,333
Televisions:	20 per 1,000 people
NAMIBIA	
Capital city:	Windhoek
Area:	318,694 sq miles (825,418 sq km)
Population:	2,000,000
Official language:	English
Major religions:	Christian 90%, traditional beliefs 10%
Government:	Multiparty democracy
Currency:	Namibian dollar
Adult literacy rate:	83%
Life expectancy:	42 years
People per doctor:	3,333
Televisions:	37 per 1,000 people



GABORONE

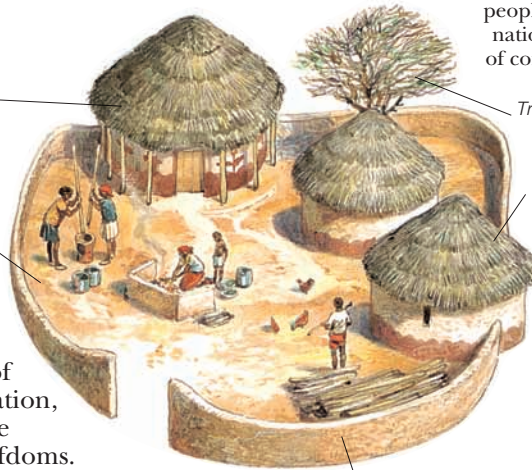
When Botswana became independent, the country had no capital city, as it had previously been governed from Mafikeng in South Africa. The new country therefore built a new capital, called Gaborone. Today, more than 200,000 people live in the city, which houses the national government and is the center of communications and industry.

Parents and young children live in the main sleeping hut.

People cook, eat, and receive guests in the lolwapa.

TSWANA HOMES

The Tswana people, who make up most of the Botswana population, traditionally organize themselves into chiefdoms. Each chiefdom consists of a capital town, around which are a number of satellite villages. Families live in dwellings made up of three or four huts, each hut serving a particular purpose. The huts are arranged around a central courtyard, or *lolwapa*.



Trees are valued for their shade.

Women are responsible for building and maintaining the huts.

The lolwapa is surrounded by a low wall.

The thatched roof is supported on poles that circle the wall of the hut. The space between the wall and the roof gives ventilation.

The huts are decorated with finger markings in earth shades of brown, red, and orange.

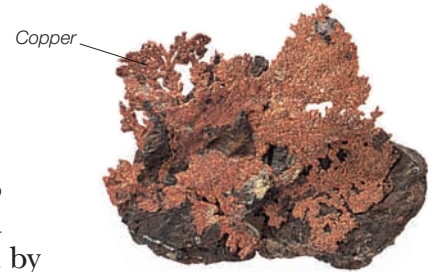
NAMIBIA

ORIGINALLY A GERMAN COLONY, Namibia was governed by its neighbor, South Africa, from 1915 until independence in 1990. Rich in minerals and other natural resources, the country is dominated by the Namib Desert, which runs in a thin strip down the west of the country near the Atlantic Ocean, and the vast Kalahari Desert, which lies in the south.

RURAL LIFE

Most Namibian people live on the high plains in the north of the country. Here the Ovambo people build fenced-in enclosures known as *kraals*. The Himba people live farther west in the rugged land bordering Angola. These seminomadic people make their living from tending cattle, which provide them with meat, milk, and clothing. The number of cattle owned is a reflection of wealth and status.

To show that she is married, a Himba woman will lengthen her hair by adding hair cut from her brother's head.



MINING

Namibia is one of the four biggest mineral producers in Africa, with large deposits of copper, diamonds, tin, and other minerals. One of the world's largest uranium mines is located at Rössing, in the Namib Desert, in the center of the country. Namibia is the largest producer of salt in Africa.

Find out more

- COPPER MINING: 73, 237, 245
- DEMOCRACY: 270
- DESERTS: 15, 204
- DIAMONDS: 150, 226, 248



ZIMBABWE

ZIMBABWE WAS ONCE PART OF a great trading empire. Many centuries ago, central African merchants exported gold and copper to India and China. The center of this empire was Great Zimbabwe (“house of the chief”), a huge palace, from which Zimbabwe took its name when it became independent in 1980. Today the country’s economic potential has been ruined by the corrupt rule of the president, Robert Mugabe. He has oppressed opposition parties and his policy of encouraging illegal occupation of white-owned farmland by black settlers has caused food shortages and economic chaos.



FIGHTING OPPRESSION
Robert Mugabe’s Zanu-PF party has been in power since the country’s independence in 1980. The harsh rule imposed by him, and widespread corruption of his party, led to the formation of the Movement for Democratic Change (MDC) in September 1999. This party campaigns for an end to political oppression, but supporters risk violent attacks by Mugabe supporters.

ZIMBABWE	
Capital city:	Harare
Area:	150,803 sq miles (390,580 sq km)
Population:	12,900,000
Official language:	English
Major religions:	Syncretic (part Christian, part traditional beliefs) 50%, Christian 25%, traditional beliefs 24%, other 1%
Government:	Multiparty democracy
Currency:	Zimbabwe dollar
Adult literacy rate:	90%
Life expectancy:	39 years
People per doctor:	10,000
Televisions:	30 per 1,000 people



VICTORIA FALLS
As the Zambezi River flows eastward along the border between Zambia and Zimbabwe, it drops 420 ft (128 m) down into a narrow chasm. The thick mist and loud noise produced by the waterfall can be seen and heard up to 25 miles (40 km) away. Local people call the falls *Mosi-oa-tunya* (“the smoke that thunders”), but internationally they are known as the Victoria Falls.

ECONOMIC CRISIS

A few years ago Zimbabwe had one of the most successful economies in Africa. During the Ethiopian drought in the 1980s it was the only country in the region to export food there. However, political uncertainty has had a destabilizing effect on the economy and jobs have been lost in all sectors. The country no longer has regular supplies of oil, as it does not have the foreign currency required to pay for them, and this has led to gas shortages.



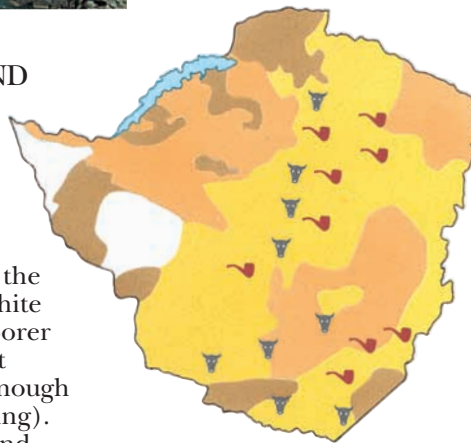
THE SHONA PEOPLES
The majority of Zimbabweans are Shona (or Mashona) peoples, who live in the center and east of the country. Many make a living from farming or, increasingly, work in industry. Many Shona people are Christians, but they also believe in animism, that is that natural objects such as lakes and trees have spirits. The Shona are known for their pottery and sculpture.

FARMING THE LAND

The center of Zimbabwe is rich in fertile farmland, producing tobacco and other crops for selling (commercial farming). Until recently the best land was owned by white landowners, leaving the poorer areas to be farmed by about 5 million blacks, who grow enough to live on (subsistence farming). Mugabe’s policy of seizing land from the whites has meant that many thousands of black farmworkers have lost their jobs, while Mugabe supporters have been given the best land.



Tobacco plant



How the land is farmed

- Commercial farming
- Subsistence farming
- Land unsuitable for farming
- Tobacco
- Cattle

Find out more

- AFRICAN CITIES: 206
- PEOPLES OF AFRICA: 206–207
- RELIGION: 274–275
- TOBACCO: 52



MOZAMBIQUE

Capital city: Maputo
Area: 309,494 sq miles (801,590 sq km)
Population: 18,900,000
Official language: Portuguese
Major religions: traditional beliefs 56%, Christian 30%, Muslim 14%
Government: Multi-party democracy
Currency: Metical
Adult literacy rate: 47%
Life expectancy: 41 years
People per doctor: 50,000
Televisions: 5 per 1,000 people

Workers taking a health-care class in Mozambique

HEALTH CARE

After independence, the Mozambique government brought all health services under national ownership and provided free health care for all. However, years of civil war have destroyed most rural hospitals and clinics, and diseases such as tuberculosis, malaria, and pneumonia continue to kill many people. Today, almost the entire population lives in poverty, and more than half relies on food aid supplied from abroad. Each year Mozambique receives millions of dollars worth of aid, mainly from European nations and the US.

FARMING

More than 85 percent of Mozambique's people work on the land. Farmers grow crops such as sugar, cotton, tea, cashew nuts, and citrus fruits on the fertile coastal plains, and grow tobacco and herd cattle on the inland pastures. The seas are rich in fish, and the export of shrimp, lobster, and other seafoods provides much-needed income for the national economy.

Workers carrying bundles of sugarcane after the harvest

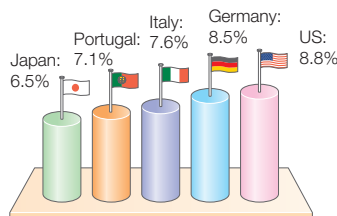


MOZAMBIQUE

WHEN MOZAMBIQUE BECAME independent from Portugal in 1975, its former rulers fled the country, destroying roads and machinery as they left. Years of civil war, drought, and flooding have since reduced the country to one of the poorest in the world. Land mines left over from the war still litter the countryside, and few bridges remain standing. But Mozambique has the potential to overcome its disastrous recent history. The land is rich and fertile, and the country's mineral resources are largely untouched.

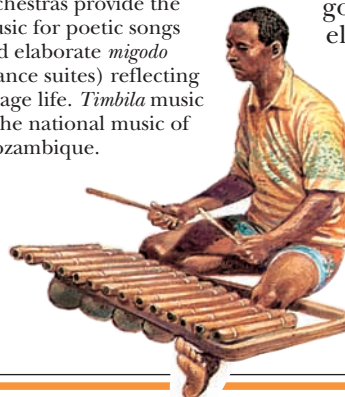


Where the aid comes from



LOCAL MUSIC

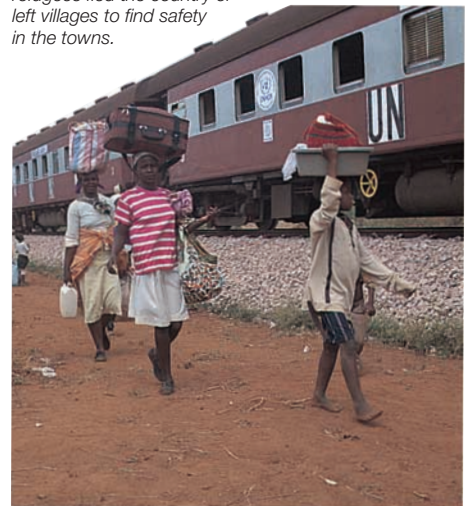
The coastal Chopi people produce music based on the sound of the *timbila*, a type of xylophone. *Timbila* orchestras provide the music for poetic songs and elaborate *migodo* (dance suites) reflecting village life. *Timbila* music is the national music of Mozambique.



BEIRA

The Indian Ocean port of Beira is the second city of Mozambique, and its major port. Most of neighboring Zimbabwe's imports and exports pass through the port, using the rail, road, and pipeline links that run between Beira and the Zimbabwean capital of Harare. During the civil war, up to 10,000 Zimbabwean soldiers guarded this vital lifeline.

During the civil war, millions of refugees fled the country or left villages to find safety in the towns.



CIVIL WAR

After independence in 1975, civil war broke out between the communist Frelimo government and the Mozambique National Resistance (Renamo) rebels, supported by South Africa. The war led to the deaths of 900,000 people and to widespread starvation. Withdrawal of international support for Renamo and the decision of the Frelimo government to hold multiparty elections resulted in a peace treaty that was signed by the two sides in 1992.

Find out more

HEALTH CARE:	276
REFUGEES:	207
RICH AND POOR:	278-279
SUGAR:	52

**SOUTH AFRICA****Capital cities:**

Pretoria/Tshwane, Cape Town, Bloemfontein

Area: 471,008 sq miles (1,219,912 sq km)

Population: 45,000,000

Official languages:

9 African languages, English, Afrikaans

Major religions:

Christian 68%, traditional beliefs 29%, Muslim 2% Hindu 1%

Government: Multiparty democracy

Currency: Rand

Adult literacy rate: 86%

Life expectancy: 46 years

People per doctor: 1,667

Televisions: 125 per 1,000 people

SWAZILAND

Capital city: Mbabane

Area: 6,704 sq miles (17,363 sq km)

Population: 1,100,000

Official languages:

Siswati, English

Major religions:

Christian 60%, traditional beliefs 40%

Government: Absolute monarchy

Currency: Lilangeni

Adult literacy rate: 81%

Life expectancy: 44 years

People per doctor: 5,000

LESOTHO

Capital city: Maseru

Area: 11,720 sq miles (30,335 sq km)

Population: 1,800,000

Official languages:

English, Sesotho

Major religions:

Christian 90%, traditional beliefs 10%

Government: Democracy

Currency: Loti

Adult literacy rate: 81%

Life expectancy: 38 years

People per doctor: 10,000

Televisions: 25 per 1,000 people

SOUTH AFRICA

IN 1994 SOUTH AFRICA moved from minority rule by its white population to majority government under the multiracial control of the African National Congress (ANC). Since 1948, the South African government had practiced apartheid, keeping the different races apart and restricting power to white people. South Africa became isolated from the rest of the world and violence between the races grew. After the election of the ANC leader Nelson Mandela as president, the apartheid system was dismantled and South Africa has resumed full international relations.



THE TOWNSHIPS

As part of South Africa's apartheid policies, black workers and their families were excluded from the main towns and forced to live in specially built townships a great distance from their work. The biggest and most famous of these townships is Soweto, home to more than 1 million people. Every day, black workers leave Soweto and commute for many hours on overcrowded buses and trains to work in the mines and factories of neighboring Johannesburg.

Grapefruit



Lime

Lemon

FRUIT GROWING

South Africa is a major exporter of food, thanks to its warm, dry climate and fertile soil. Citrus fruits, apples, and grapes are grown and then exported around the world. South Africa is also known for its fine wines.



NELSON MANDELA

Jailed in 1964 as a senior member of the ANC, Nelson Mandela (shown above with F. W. de Klerk) spent 26 years in prison until he was released in 1990. This was a result of President de Klerk's decision to legalize black freedom groups, with a view to ending apartheid. Under Nelson Mandela's leadership, the ANC won political power in 1994, and Mandela became the first black president of South Africa.



THE NDEBELE

South Africa is a multiracial country, with many different ethnic groups and 11 official languages. One group, the Ndebele, are known for their distinctive houses, which are brightly decorated in strong, geometric shapes. Women are responsible for the upkeep of the huts and repaint the outer walls each spring.

THE GOLDEN CITY

South Africa has three capital cities, with the administration in Pretoria/Tshwane, the courts of law in Bloemfontein, and the parliament in Cape Town. However, the financial and industrial heart of South Africa is Johannesburg (shown right), known as "the golden city." Gold mines deep beneath the surface have created enormous wealth, encouraging the development of a sprawling industrial area manufacturing cars, textiles, and high-tech and heavy engineering products.

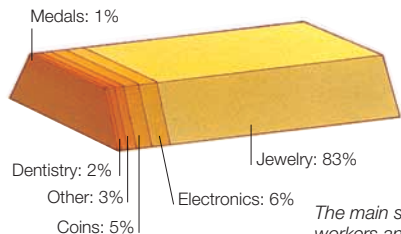


DIGGING FOR GOLD

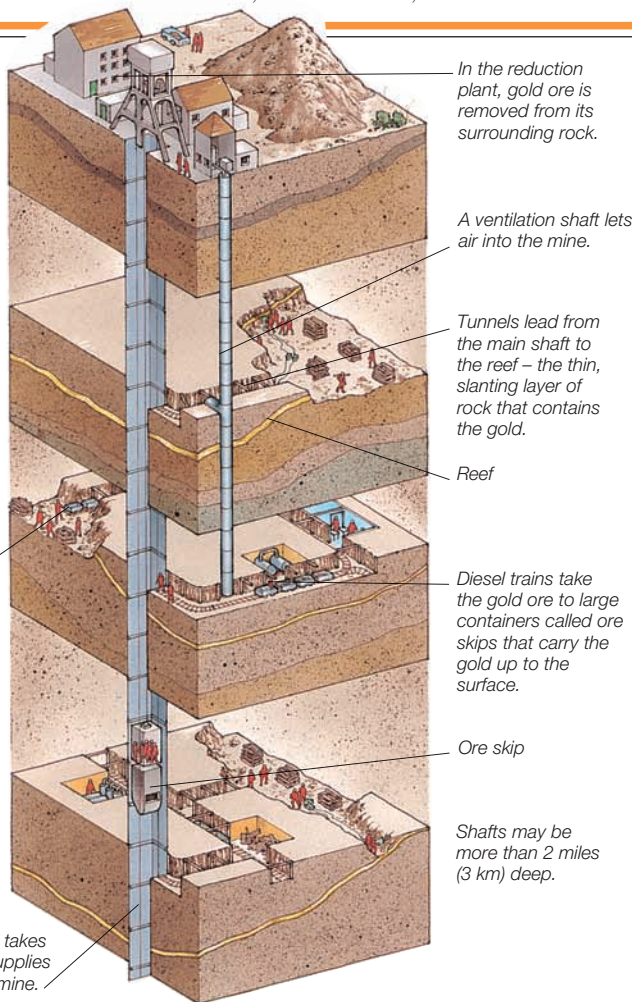
Over the last 100 years, the Witwatersrand gold field around Johannesburg has produced almost half the world's gold, and still accounts for more than 30 percent of the world's total output each year. Diamonds and other minerals are also mined in huge quantities, and the country has a large manufacturing industry and financial sector. As a result, South Africa has the strongest and most advanced economy in Africa. However, population growth and rising unemployment are putting the economy under pressure.

Huge underground rooms known as stoped-out areas are created by drilling and blasting the surrounding rock.

What the gold is used for



The main shaft takes workers and supplies down into the mine.



SPORTS

Under apartheid, sporting facilities were segregated and black and white players belonged to different teams. As a result, South Africa was banned from international sports competitions. With the ending of apartheid, sports became multiracial and South African teams were allowed once more to compete in world sports events. Since then, the national football team have played in FIFA World Cups and will host the tournament in 2010.

SWAZILAND

THE KINGDOM OF SWAZILAND is dominated by its powerful neighbor, South Africa, relying on it for much of its wealth and energy supplies. Swaziland's main export is sugarcane, although it also exports wood pulp, coal, and asbestos. The king of Swaziland holds great power, running its affairs as head of government and appointing many members of its parliament. His power is reflected in his title, *Ngwenyama*, meaning "lion."



The coronation of King Mswati III in 1986

LESOTHO

ENTIRELY SURROUNDED BY South Africa, the mountainous kingdom of Lesotho is the only country in Africa where all the land is above 3,300 ft (1,000 m). Its main natural resource is water. A huge hydroelectric plant currently being built will eventually supply all of Lesotho's energy needs as well as vast quantities of water for South Africa. Until then, Lesotho is economically dependent on its wealthy neighbor.



MOHAIR SPINNING

The mountainous terrain of Lesotho is ideal for rearing goats, whose mohair wool is much prized. Using foot-powered treadle wheels, women spin the mohair into yarn to make finely woven material for clothes and other products.

Find out more

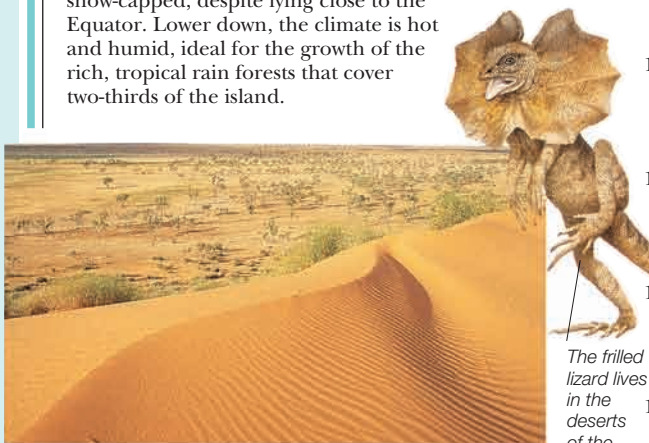
AFRICAN CITIES: 206
 HYDROELECTRICITY: 108, 262
 POLITICAL SYSTEMS: 270–271
 SUGARCANE: 52

AUSTRALASIA AND OCEANIA

THIS VAST ISLAND REGION is spread over a huge area of the Pacific Ocean to the south of Southeast Asia. Australasia is made up of Australia, New Zealand, Papua New Guinea, and several nearby islands. Australia is the only country that is also a continent in its own right, the smallest of the seven. Australasia is often linked with three groups of Pacific islands – Melanesia, Micronesia, and Polynesia – which form an even wider region, called Oceania. The climate and geography of Australasia and Oceania are as diverse as the region itself, ranging from the rain forests of northern Australia and the glaciers of southern New Zealand, to the coral atolls and volcanoes that form many of the Pacific islands.



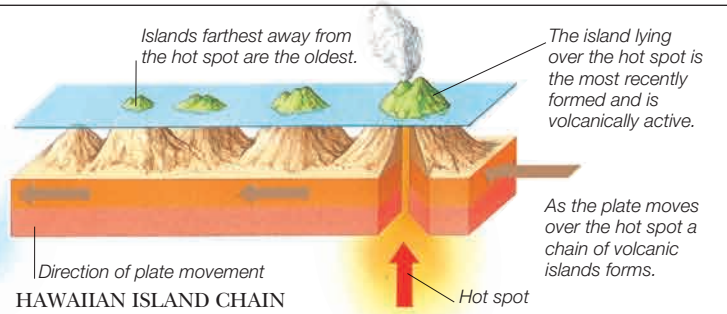
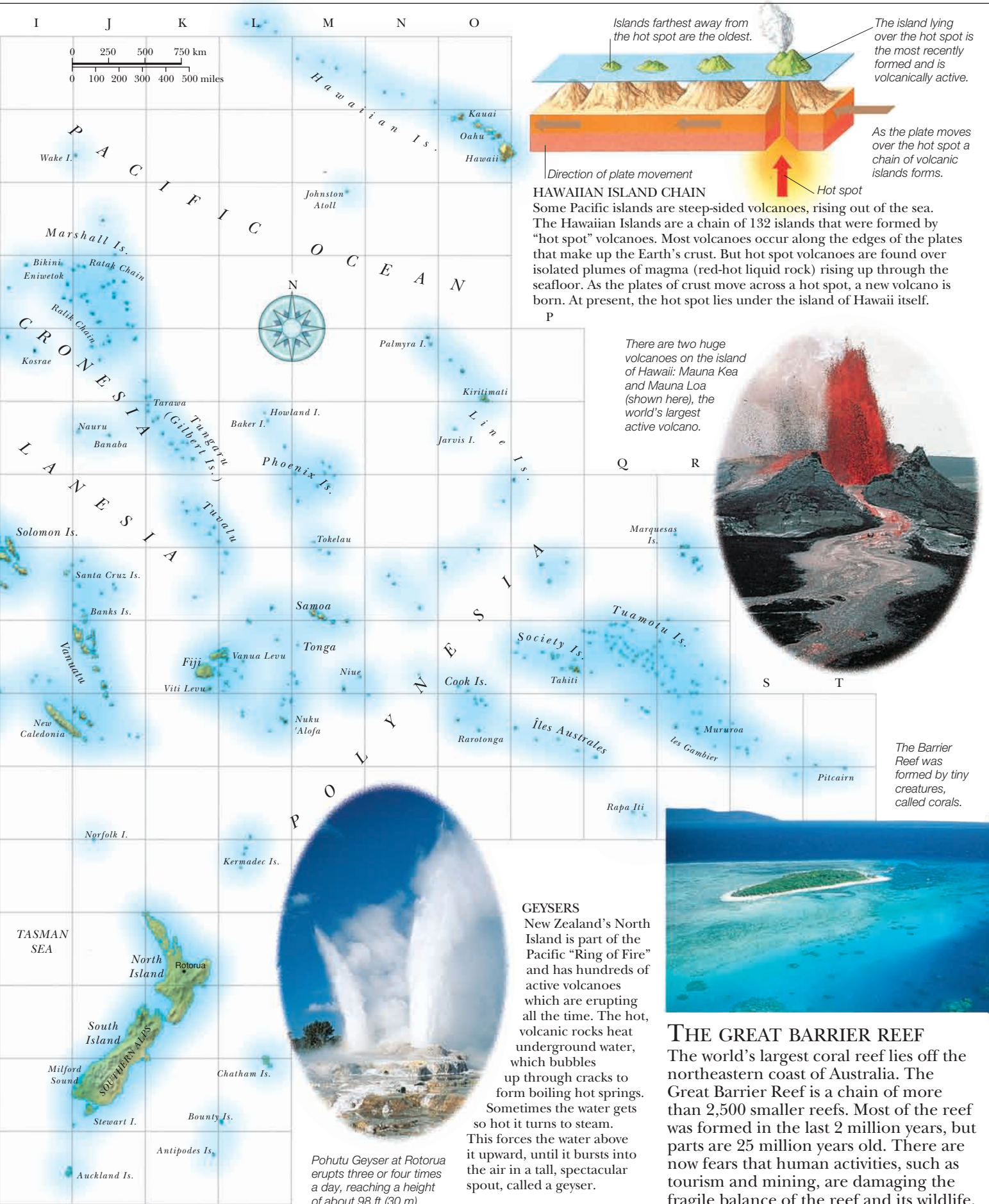
PAPUA NEW GUINEA
 Papua New Guinea is the eastern end of the island of New Guinea. The western end is called Papua (Irian Jaya), part of Indonesia. Papua New Guinea is a country of high mountains and thick forests. The highest peak, Mount Wilhelm, reaches 14,107 ft (4,300 m) and is often snow-capped, despite lying close to the Equator. Lower down, the climate is hot and humid, ideal for the growth of the rich, tropical rain forests that cover two-thirds of the island.



The frilled lizard lives in the deserts of the outback.

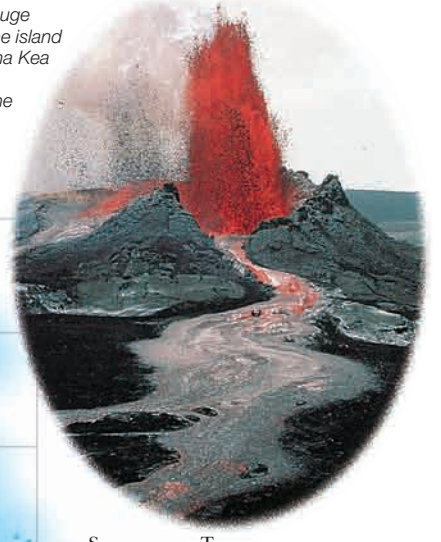
THE AUSTRALIAN OUTBACK
 Australia has four major deserts – the Simpson, Gibson, Great Sandy, and Great Victoria. Together they cover most of the heart of the continent in a vast, barren area known as the outback. Very few people live in the outback, although the dry conditions are good for raising sheep and cattle.





HAWAIIAN ISLAND CHAIN
 Some Pacific islands are steep-sided volcanoes, rising out of the sea. The Hawaiian Islands are a chain of 132 islands that were formed by "hot spot" volcanoes. Most volcanoes occur along the edges of the plates that make up the Earth's crust. But hot spot volcanoes are found over isolated plumes of magma (red-hot liquid rock) rising up through the seafloor. As the plates of crust move across a hot spot, a new volcano is born. At present, the hot spot lies under the island of Hawaii itself.

There are two huge volcanoes on the island of Hawaii: Mauna Kea and Mauna Loa (shown here), the world's largest active volcano.



The Barrier Reef was formed by tiny creatures, called corals.



THE GREAT BARRIER REEF
 The world's largest coral reef lies off the northeastern coast of Australia. The Great Barrier Reef is a chain of more than 2,500 smaller reefs. Most of the reef was formed in the last 2 million years, but parts are 25 million years old. There are now fears that human activities, such as tourism and mining, are damaging the fragile balance of the reef and its wildlife.



GEYSERS
 New Zealand's North Island is part of the Pacific "Ring of Fire" and has hundreds of active volcanoes which are erupting all the time. The hot, volcanic rocks heat underground water, which bubbles up through cracks to form boiling hot springs. Sometimes the water gets so hot it turns to steam. This forces the water above it upward, until it bursts into the air in a tall, spectacular spout, called a geyser.

Pohutu Geyser at Rotorua erupts three or four times a day, reaching a height of about 98 ft (30 m).



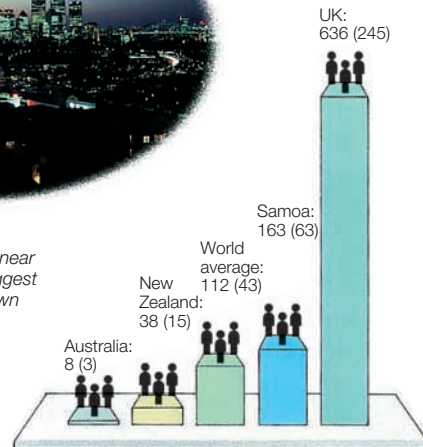
PEOPLES OF AUSTRALASIA AND OCEANIA

ISOLATED FROM THE REST OF THE WORLD, parts of this region were among the last places on Earth to be settled. The first inhabitants came from Asia, and include the Aboriginals of Australia, the Maoris of New Zealand, and the peoples of the Pacific Islands. In the 18th century, settlers started to arrive from Europe, and both Australia and New Zealand became British colonies. Many Pacific Islands were European colonies. Today, links with the European colonizers are no longer so strong. In recent decades, people have migrated to Australia and New Zealand from the Middle East and Southeast Asia, and both countries now have multicultural societies and successful modern economies.



About 60 percent of Australians live in or near the country's five biggest cities – Sydney (shown here), Melbourne, Brisbane, Perth, and Adelaide.

Population density chart



The figures show the number of people per sq mile, with per sq km in brackets.

Population: approximately 31,400,000 people
Number of countries: 14

Most densely populated country: Nauru, 1,552 people per sq mile (599 per sq km)

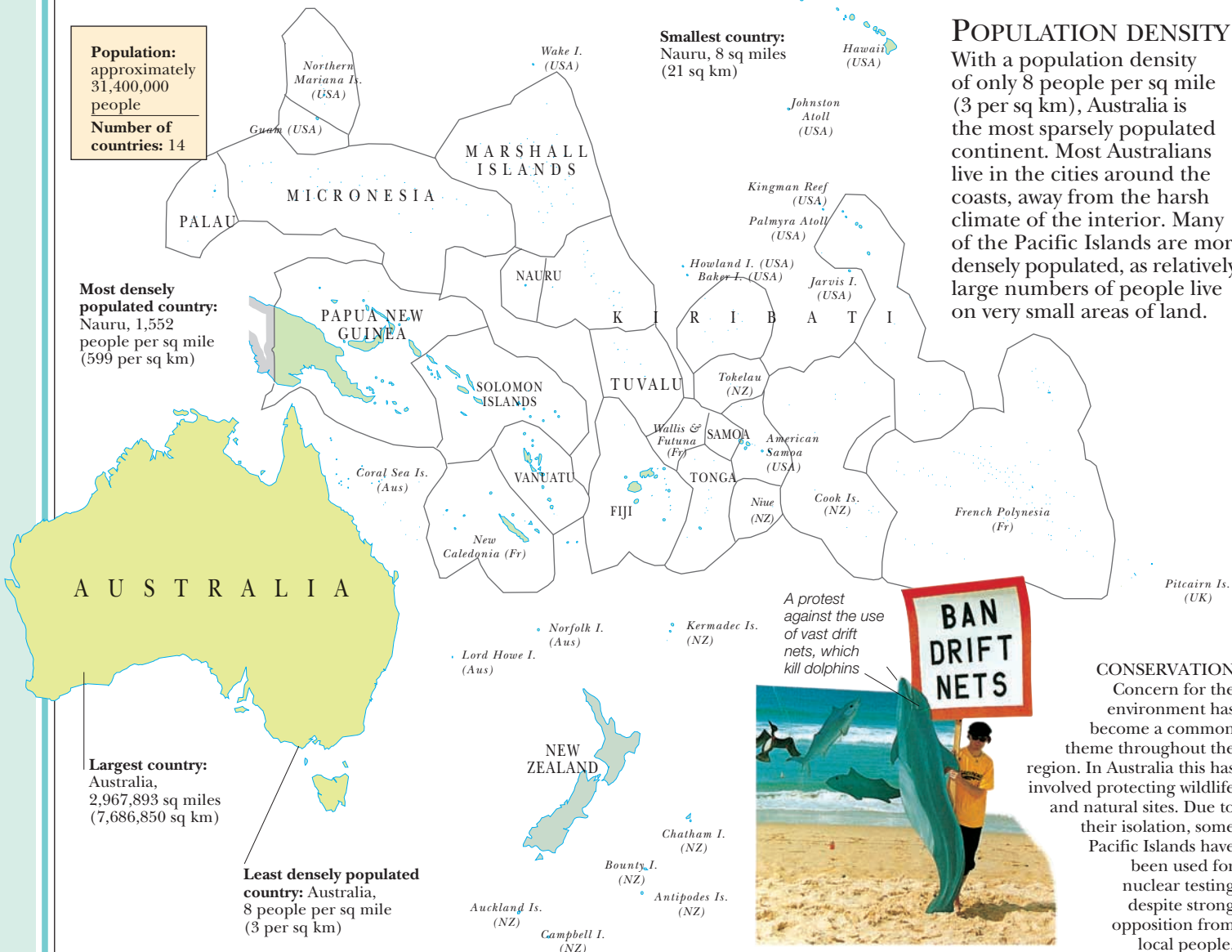
Largest country: Australia, 2,967,893 sq miles (7,686,850 sq km)

Least densely populated country: Australia, 8 people per sq mile (3 per sq km)

Smallest country: Nauru, 8 sq miles (21 sq km)

POPULATION DENSITY

With a population density of only 8 people per sq mile (3 per sq km), Australia is the most sparsely populated continent. Most Australians live in the cities around the coasts, away from the harsh climate of the interior. Many of the Pacific Islands are more densely populated, as relatively large numbers of people live on very small areas of land.







A protest against the use of vast drift nets, which kill dolphins

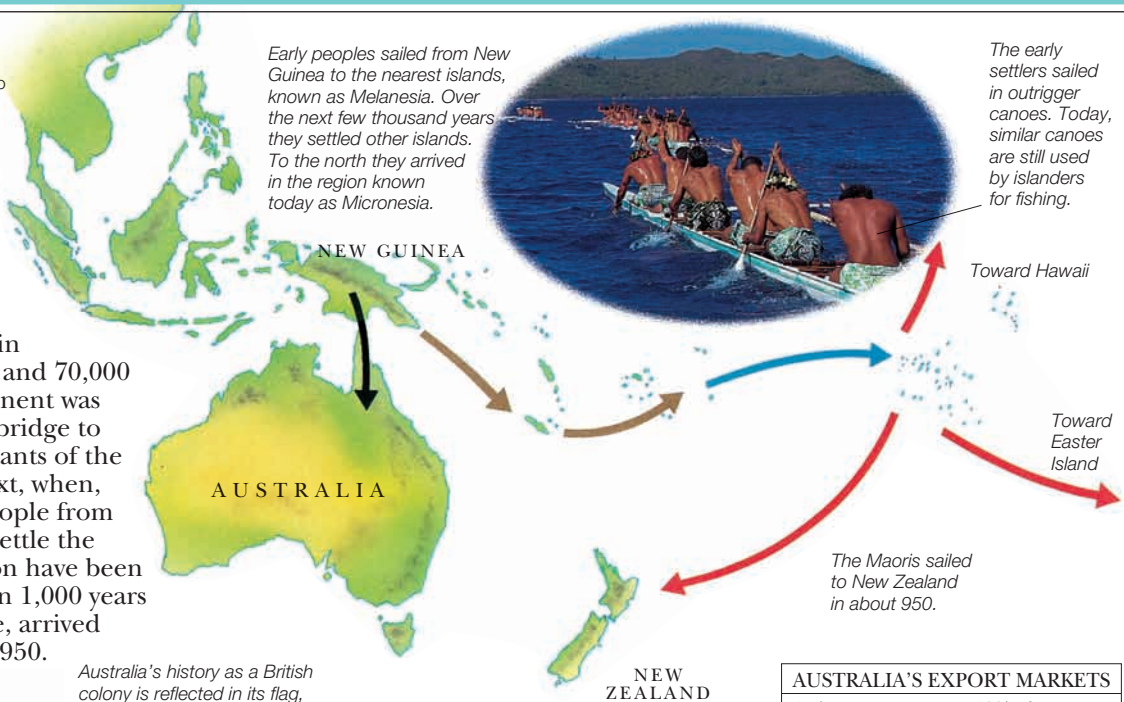


CONSERVATION

Concern for the environment has become a common theme throughout the region. In Australia this has involved protecting wildlife and natural sites. Due to their isolation, some Pacific Islands have been used for nuclear testing despite strong opposition from local people.

Key to arrows

-  50,000–70,000 years ago
-  5000–1000 BC
-  1000–200 BC
-  200 BC – AD 1000



EARLY SETTLERS

The first settlers were the Aborigines, who arrived in Australia between 50,000 and 70,000 years ago, when the continent was still connected by a land bridge to New Guinea. The inhabitants of the Pacific Islands arrived next, when, about 7,000 years ago, people from Southeast Asia began to settle the islands. Parts of this region have been settled for little more than 1,000 years – the Maoris, for example, arrived in New Zealand in about 950.

Australia's history as a British colony is reflected in its flag, which features the British flag, the Commonwealth Star, and the Southern Cross constellation.



POPULATION TODAY
As a legacy of their colonial past, most people in New Zealand and Australia today are of British descent. In the last few decades, however, new settlers have arrived in the region from throughout the world. For more than three million Australians, English is not their first language. The various groups of migrants have brought their own customs, traditions, festivals, and food, making Australia and New Zealand multicultural societies.



AUSTRALIA'S EXPORT MARKETS	
1 Japan	18% of exports
2 US	10% of exports
3 South Korea	8% of exports
4 New Zealand	7% of exports
5 China	7% of exports

TRADING PARTNERS
Traditionally the UK was the main trading partner for both Australia and New Zealand. However, since the UK joined the European Union in 1973, Australia and New Zealand have had to look for new export markets. Both countries are now concentrating on the growing Asian market. In 1960, Asia accounted for only 25 percent of Australia's exports. Today over 60 percent of Australia's trade is with Asia, and Japan is its most important market.



Australia playing Pakistan in Test Match cricket.

SPORTS

In both Australia and New Zealand, sports have played an important role in creating a sense of national identity. Rugby is the national sport of New Zealand, while Australia's main sports are Australian Rules football, rugby, and cricket. Success in these sports is a great source of national pride.

Today, Aborigines make up between 1 and 2 percent of Australia's population.

ABORIGINAL RIGHTS

For many years, Aboriginal children in Australia and Maoris in New Zealand were taught only in English and were discouraged from learning their own languages. Today, the situation is very different. The Maori language is officially recognized in New Zealand, and in Australia schoolchildren learn about Aboriginal culture and traditions. But many people feel that the future also depends on reclaiming the land and resources taken from the original peoples when European settlers first arrived.



AUSTRALIA AND PAPUA NEW GUINEA

SURROUNDED BY THE INDIAN and Pacific oceans, Australia is the world's smallest continent. It is vast, nearly the size of the US, and very dry. There is little rain, and arid desert stretches across about two-thirds of the land. Most of the people live in the big cities along the coasts. To the north, only 93 miles (150 km) across the Torres Strait, lies Papua New Guinea. An Australian colony until 1975, it consists of the eastern end of the island of New Guinea and more than 600 surrounding islands.



Raggiana's bird of paradise – two-thirds of all birds of paradise live in the forests of Papua New Guinea.

ISLAND OF MOUNTAINS AND FORESTS

Papua New Guinea lies entirely in the tropics and has a hot, wet climate. Running from west to east along the island is a range of high rugged mountains covered with dense rain forest. These remote forests are home to a vast range of plants and animals, many of which are found nowhere else in the world. Mangrove swamps grow along many of the island's coasts.



When rains do come, there are flash floods, and plants like this Sturt's Desert Pea flower from seeds that have lain dormant for years.

THE OUTBACK

Most of Australia is a flat plain without mountains, forests, or rivers. The huge central region, known as the outback, is one of the hottest and driest places on Earth. It has sandy or stony deserts, which can be baked by intense heat during the day and frozen by extreme cold at night. In places where there is some vegetation, or the land has been irrigated, farmers raise cattle and sheep.



ULURU

This massive block of sandstone stands almost in the middle of Australia. It measures 5.8 miles (9.4 km) around the base, and rises to 1,142 ft (348 m). To the Aborigines, the first people of Australia, the rock is known as Uluru. It is a sacred site and features in their beliefs about the creation of the world. Once called Ayers Rock after a former premier of South Australia, the rock regained its Aboriginal name in 1985.



GREAT BARRIER REEF

The Great Barrier Reef, the largest living thing on Earth, stretches for 1,243 miles (2,000 km) along the northeastern coast of Australia. It is the world's largest coral reef and home to more than 2,000 species of fish. Its coral is made of layer upon layer of tiny anemone-like creatures called polyps. The Great Barrier Reef is a major tourist attraction, but swimmers and divers can easily pollute and damage it. To protect it, the reef has been made a World Heritage Area.



PAPUA NEW GUINEA

FEWER THAN SIX MILLION PEOPLE live in Papua New Guinea, most of them in small, isolated villages. By western standards, many people are poor. Papua is rich in natural resources, especially minerals, such as copper, gold, nickel, and cobalt. It also has extensive oil and natural gas reserves. Lumber from the rain forests is another major export. The challenge is to develop these resources without damaging the environment.



PAPUA NEW GUINEA	
Capital city:	Port Moresby
Area:	178,703 sq miles (462,840 sq km)
Population:	5,700,000
Official language:	English
Major religions:	Christian 62%, traditional beliefs 34%, other 4%
Government:	Multiparty democracy
Currency:	Kina
Adult literacy rate:	65%
Life expectancy:	57 years
People per doctor:	10,000
Televisions:	24 per 1,000 people



BIG BUTTERFLY
Queen Alexandra's Birdwing butterfly, with a wingspan of 10 in (25 cm), is the world's largest butterfly.

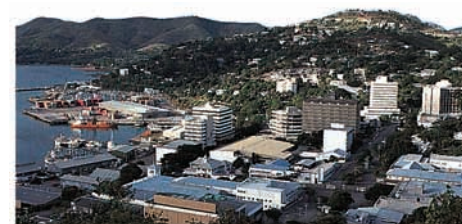


Tribespeople from Mendi, wearing headaddresses made from bird of paradise feathers

TRIBAL PEOPLE

The mountains and forests of Papua New Guinea have always restricted contact between the various groups of people

who live there. As a result, the country is now home to about 1,000 tribes speaking more than 700 different languages. Most of these people live off the land they farm.



PORT MORESBY

The capital, Port Moresby, is a sprawling city built around a natural harbor on the island's southern coast. Unlike the rest of the country, it is dry for much of the year. Port Moresby has grown rapidly in recent years, as people from remote regions have moved there to find work.

Find out more

- AUSTRALIAN OUTBACK: 254
- COPPER MINING: 73, 237, 245
- GREAT BARRIER REEF: 255
- SETTLING THE ISLANDS: 257





AUSTRALIA

UNTIL ABOUT 200 YEARS AGO, the land that is now Australia was occupied only by Aborigines. Then, in 1770, the British explorer James Cook arrived in Botany Bay and claimed it for Britain. In 1901, Australia became an independent commonwealth. Over the years, settlers from overseas, first from Britain and Europe, but more recently from Asia, have shaped the culture of this huge country. Wool and wheat, as well as mineral resources of iron ore, coal, and copper, have made Australia wealthy, and most people benefit from a high standard of living.

AUSTRALIA	
Capital city:	Canberra
Area:	2,967,893 sq miles (7,686,850 sq km)
Population:	19,700,000
Official language:	English
Major religion:	Christian 64%, other 36%
Government:	Multiparty democracy
Currency:	Australian dollar
Adult literacy rate:	99%
Life expectancy:	79 years
People per doctor:	400
Televisions:	639 per 1,000 people



SETTLERS
In the 18th century, British prisons were overcrowded and criminals were often sent overseas. In 1778 the first ship to Australia arrived from Britain with 757 convicts, forming a settlement in what is now Sydney. By 1860 more than 160,000 convicts had been transported.



LIVING ON THE COAST

About 85 percent of Australians live in or around cities along the coast. Most of the schools, hospitals, offices, and factories are located there, and life is easier than in the remote towns and farms of the outback. Homes in the city are built of wood or brick, often with verandas or “sleepouts,” as well as a backyard for a barbecue. The five largest cities contain

MAIN CITIES BY POPULATION	
Sydney	4,200,000
Melbourne	3,488,750
Brisbane	1,770,000
Perth	1,433,200
Adelaide	1,072,600

60 percent of the population. One of these is Sydney, shown left, with its Opera House overlooking the harbor.



Aboriginals act out their beliefs in their songs, ceremonies, and art. This group is from Queensland.

ABORIGINAL BELIEFS

The word Aboriginal means “from the beginning,” and Aboriginals believe they have occupied Australia since the beginning of time. They have a detailed knowledge of the land; women gathered fruits, nuts, and grubs, and men hunted animals such as kangaroos and opossums. The Dreamtime, long ago when the land and all living things were made, is the basis of Aboriginal culture.



People in Sydney demonstrate for land rights. On the Aboriginal flag, black represents the people, yellow the Sun, and red the land.



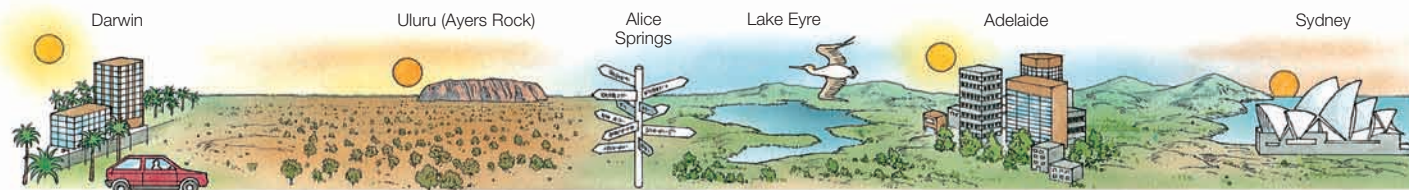
VAST DISTANCES

Away from the coasts, much of Australia is dry and hot, with very few towns or settlements. Alice Springs, in the center of the country, began as a station linking the telegraph line between Darwin and Adelaide. Separated by such large distances, many children cannot get to schools. They study through the special School of the Air learning program.

The journey from Darwin to Sydney, via Adelaide, is 2,996 miles (4,822 km). This would take about 2.5 days and nights of nonstop driving.

LAND RIGHTS

The arrival of the British changed life for the Aboriginals. Many lost their land and thousands died of European diseases. Today, they no longer live off the land in the traditional way, but work in factories or farms. Many suffer from poor health and bad housing. In 1967, they were granted the right to vote. Since then a series of laws have given Aboriginals control over some of the land.



Darwin to Alice Springs
937 miles (1,508 km)

Alice Springs to Adelaide
950 miles (1,529 km)

Adelaide to Sydney
1,109 miles (1,785 km)

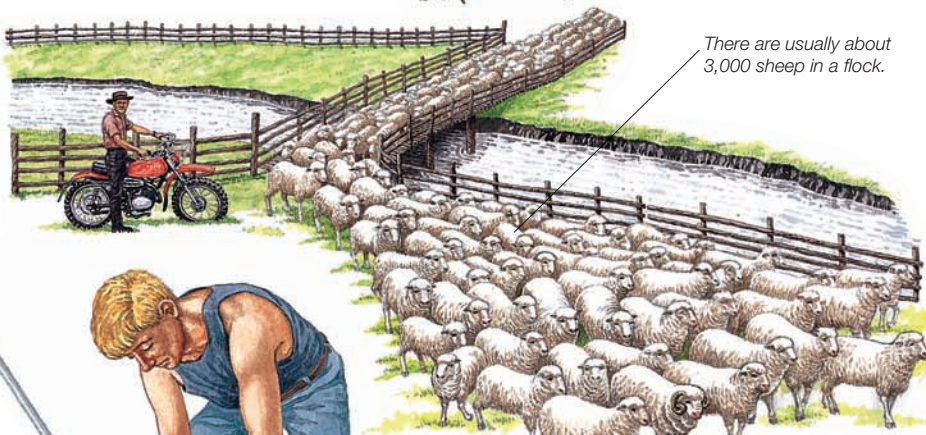
SHEEP FARMING

Australia is the world's chief wool-producing country, with New South Wales the leading area. Most of Australia's sheep are Merinos, which were brought from South Africa and England in the 1790s. Today, there are about 100 million sheep in Australia most of them on farms called stations. Some stations are huge and cover up to 5,792 sq miles (15,000 sq km), which is half the size of Belgium. Motorcycles and four-wheel-drive vehicles are used to control the livestock over such wide areas.

Sheep usually graze on grass, but eat hay or grain in the summer when pastures are dry.



Drovers ride horses to follow the flock.



There are usually about 3,000 sheep in a flock.



Shearers usually wear blue vests. Some women work as shearers, but most shearers are men.

Some workers can shear more than 100 sheep in a day.



Merino sheep have fine, soft wool.

Farmers keep kelpie and border collie dogs to round up the sheep.

Merino sheep can survive the heat and still produce a heavy fleece of good wool.

Wool is graded and stored in bins.



In Australian Rules football, players can kick or punch the ball, but they must not throw it.

THE NEW AUSTRALIANS

For many years, Australia allowed only white people to settle; mostly people from Britain, Italy, and Greece. In 1972, this policy was changed, and since then immigrants have arrived from all over the world. The "New Australians" include Vietnamese, Japanese, and Chinese. These groups have brought their own languages, festivals, and types of food.

Many Italians moved to Australia after World War II.

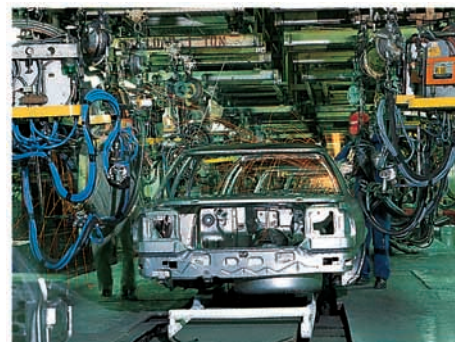
SPORTING LIFE

Australians love the outdoors, and sports are a major part of their lifestyle. Sandy beaches, warm water, and good surf make swimming, sailing, waterskiing, and surfing extremely popular. Australians are also experts at cricket, tennis, and their own brand of football, called Australian Rules. In the year 2000, Sydney hosted the Olympic Games.



RICHES FROM THE EARTH

In the 1850s, the discovery of gold in Victoria and New South Wales attracted people to Australia and helped boost the economy. Today, mining for coal, copper, and iron ore, shown above, is still big business. Australia is the world's largest coal exporter and also has the world's most productive diamond mine, near Lake Argyle. However, modern mining relies more on machinery than on labor, and does not employ many people.



LOOKING EAST

For many years, Australia traded mainly with Britain. However, since Britain joined the European Union in 1973, Australia has strengthened its trading links with the United States and Asian countries such as Japan and China. Today, many foreign companies, including car manufacturers and computer businesses, have set up factories in Australia.



Many Australians have relatives in Britain.

This boy has parents who came from Vietnam.

Many Greek people live in the city of Melbourne.

This girl has parents who came from China.

Find out more

DIAMONDS: 150, 226, 248
 PACIFIC RIM ECONOMIES: 257
 POPULATION DENSITY: 256
 SETTLING AUSTRALIA: 256-257



PEOPLE AND CITIES

There are only about 3.9 million people in New Zealand – just over half the population of London or Paris. Nearly three-quarters of New Zealanders live on the North Island, and most of them live in the cities. Wellington, shown here, is New Zealand’s capital city.



NEW ZEALAND

SITUATED ABOUT 932 MILES (1,500 KM) from Australia, New Zealand consists of two large islands – North and South Island – and several smaller ones. The North Island has a warm, mild climate and is volcanically active. The South Island is colder, with glaciers, high mountain peaks, and forests. From 1840 to 1907 New Zealand was a British colony, but it gained full independence in 1947. The original inhabitants, the Maoris, still make up about 12 percent of the population. New Zealand is a wealthy and progressive country, and was the first in the world to give women the right to vote.

NEW ZEALAND	
Capital city:	Wellington
Area:	103,737 sq miles (268,680 sq km)
Population:	3,900,000
Official language:	English, Maori
Major religions:	Christian 62%, other 38%
Government:	Multiparty democracy
Currency:	New Zealand dollar
Adult literacy rate:	99%
Life expectancy:	78 years
People per doctor:	225
Televisions:	508 per 1,000 people



FARMING

Large areas of grass and a warm, damp climate make New Zealand ideal for farming, especially raising sheep and cattle. There are about 40 million sheep (about 10 for every one person) and 10 million cattle. Around half of New Zealand’s exports are agricultural products. The country is one of the world’s leading exporters of wool, frozen meat, and dairy products, such as butter and cheese.



ENERGY

More than 60 percent of New Zealand’s electricity comes from hydroelectric plants, like the Clyde Dam on the South Island, which harness the power of its rushing rivers. New Zealand does not use nuclear power. This, together with its small population and lack of heavy industry, make it one of the world’s least polluted countries. New Zealand is very proud of its “clean green” image.



THE FIRST NEW ZEALANDERS

New Zealand was one of the last places on Earth to be inhabited by people. The first settlers, the Maori, arrived from Polynesia in about 950. Today, although most Maoris have adopted western lifestyles, their culture lives on in their language, art, and extended family groups. Maoris are represented in the government, and there are moves to ensure that they receive equal opportunities in health care, education, and employment, which have been lacking in the past.



MAORI ART

This neck pendant represents Tiki, one of the Maori gods, and is worn to bring good luck. It is carved from greenstone, a kind of hard jade found on the South Island.

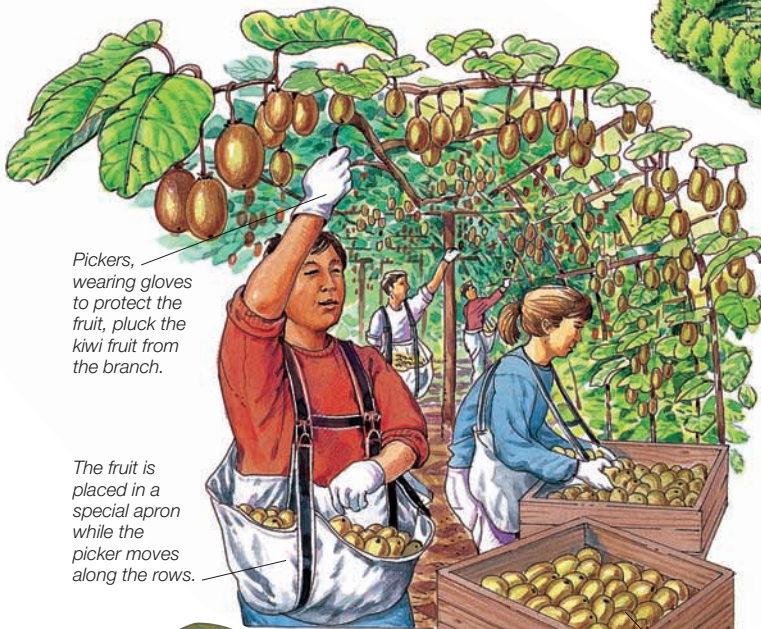
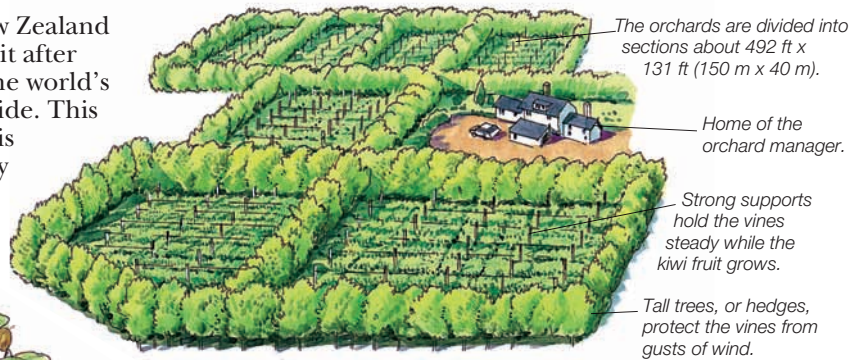


OUTDOOR LIFE

New Zealand's pleasant climate and beautiful countryside make it ideal for outdoor activities. New Zealanders enjoy sports of all kinds, from hiking and mountain climbing to canoeing, yachting, and rugby. The country's rugby team, the All Blacks, are shown in action above. Many tourists visit New Zealand for its outdoor lifestyle, and tourism is now a major source of income.

KIWI FRUIT

The Chinese gooseberry was introduced into New Zealand in about 1900 and was later renamed the kiwi fruit after the country's famous bird. New Zealand is now the world's principal producer and exports kiwi fruit worldwide. This subtropical fruit needs a warm, sunny climate. It is grown in special orchards divided into sections by fences or hedges.

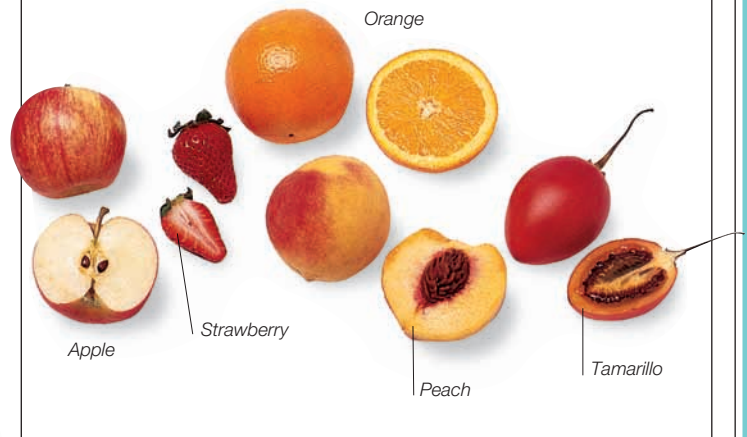


The kiwi fruit has a fuzzy, greenish-brown skin a little like the feathers of the bird after which it is named.

Pickers sort the fruit by size, then pack it in boxes.

ORCHARD FRUITS

Because New Zealand lies in the southern hemisphere, it can grow crops when its customers in the north are in the middle of their winter. The main types of fruit, with examples from each group shown below, are seed fruit (apple), berry fruit (strawberry), pit fruit (peach), citrus fruit (orange), and subtropical fruit (tamarillo).

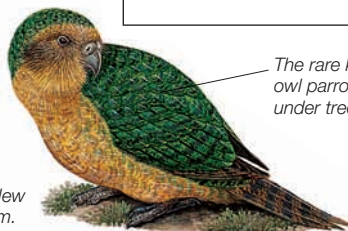


FLIGHTLESS BIRDS

New Zealand's isolated position has allowed many unique plants and animals to develop there. The most famous are the flightless birds, such as the kakapo and kiwi. These birds lost the ability to fly because they had no enemies and did not need to be able to fly away.



The long-beaked kiwi is New Zealand's national emblem.



The rare kakapo, or owl parrot, nests under tree roots.

Find out more

HYDROELECTRICITY: 108
 SETTLEMENT PACIFIC ISLANDS: 257
 SHEEP FARMING: 261
 VOLCANIC ACTIVITY: 13, 255

THE PACIFIC OCEAN

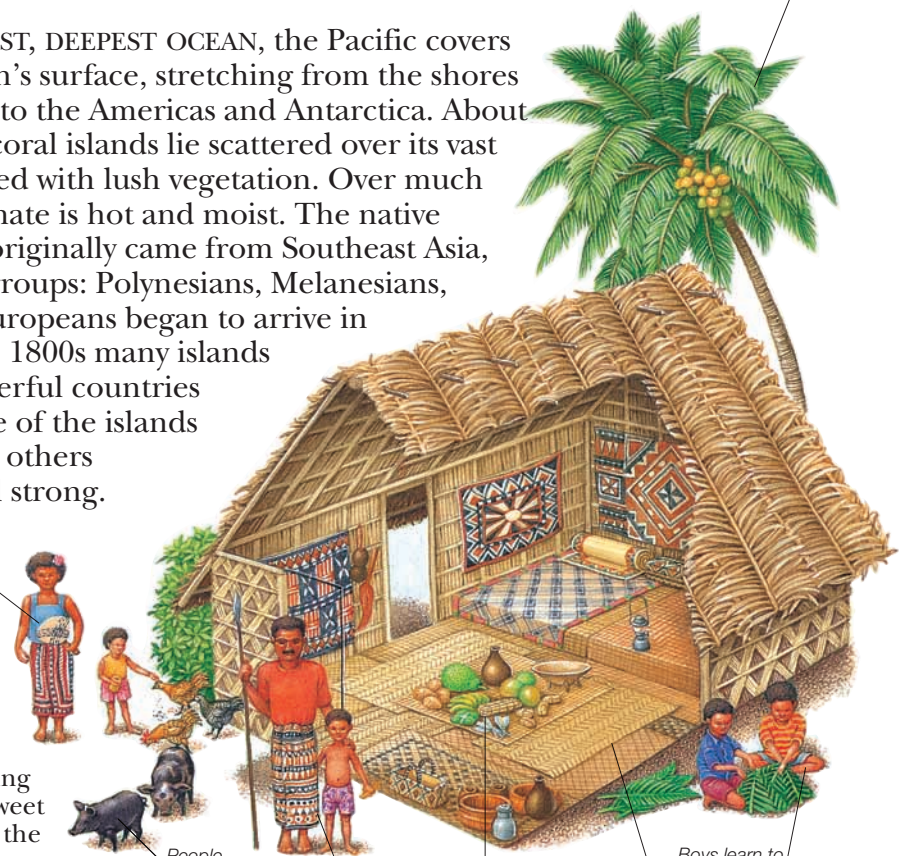
Coconut palms provide the islanders with food, milk, and fiber to make rope.

MICRONESIA
Capital city: Palikir
Area: 271 sq miles (702 sq km)
Population: 108,143
NAURU
Capital city: None
Area: 8.1 sq miles (21 sq km)
Population: 12,570
PALAU
Capital city: Melekeok
Area: 177 sq miles (458 sq km)
Population: 19,717
SOLOMON ISLANDS
Capital city: Honiara
Area: 10,985 sq miles (28,450 sq km)
Population: 477,000
VANUATU
Capital city: Port Vila
Area: 4,710 sq miles (12,200 sq km)
Population: 212,000
FIJI
Capital city: Suva
Area: 7,054 sq miles (18,270 sq km)
Population: 839,000
TUVALU
Capital city: Fongafale
Area: 10 sq miles (26 sq km)
Population: 11,305
TONGA
Capital city: Nuku'alofa
Area: 289 sq miles (748 sq km)
Population: 108,141
SAMOA
Capital city: Apia
Area: 1,137 sq miles (2,944 sq km)
Population: 178,000
KIRIBATI
Capital city: Bairiki
Area: 313 sq miles (811 sq km)
Population: 98,549
MARSHALL ISLANDS
Capital city: Majuro
Area: 70 sq miles (181 sq km)
Population: 56,429

THE WORLD'S LARGEST, DEEPEST OCEAN, the Pacific covers one-third of the Earth's surface, stretching from the shores of Asia and Australia to the Americas and Antarctica. About 20,000 volcanic and coral islands lie scattered over its vast expanse, many covered with lush vegetation. Over much of the Pacific the climate is hot and moist. The native island peoples, who originally came from Southeast Asia, fall into three main groups: Polynesians, Melanesians, and Micronesians. Europeans began to arrive in the 1500s, and by the 1800s many islands were colonies of powerful countries overseas. Today, some of the islands are self-governing; in others foreign control is still strong.

PACIFIC PEOPLES

Some islanders live in towns, but many people continue the traditional farming way of life, growing crops such as yams and sweet potatoes, or fishing from the sea. The shape of homes varies from island to island but most, like this Fijian *bure*, are simply built using a large wooden frame topped with a thatch of plant fronds. Today, corrugated iron is often used as roofing because it lasts longer than thatch. Community life on the islands is important, with large extended families ruled by tribal chiefs. Property and personal objects belong to everybody.



Large families of 10 or more live together under one roof.

People often keep chickens and pigs.

Men wear a cloth skirt called a sulu.

A special meal might include fish, chicken, yams, vegetables, coconut, and bananas.

Boys learn to weave using green coconut leaves.

This area of the house is used for guests.

EXPORTS

Rich, volcanic soil and regular rainfall make these hot, sunny islands especially fertile. Some farmers produce surplus crops that they export. Sugar, ginger, black pepper, and copra (dried coconut) are among the main export crops. Fish, lumber, livestock, and minerals are also important sources of income on certain islands.



The green fruit of the black pepper plant is dried to make black peppercorns.

Ground pepper

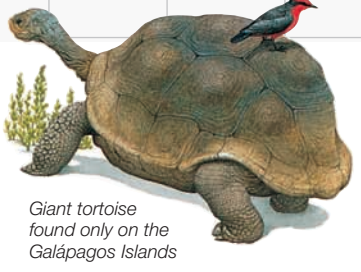
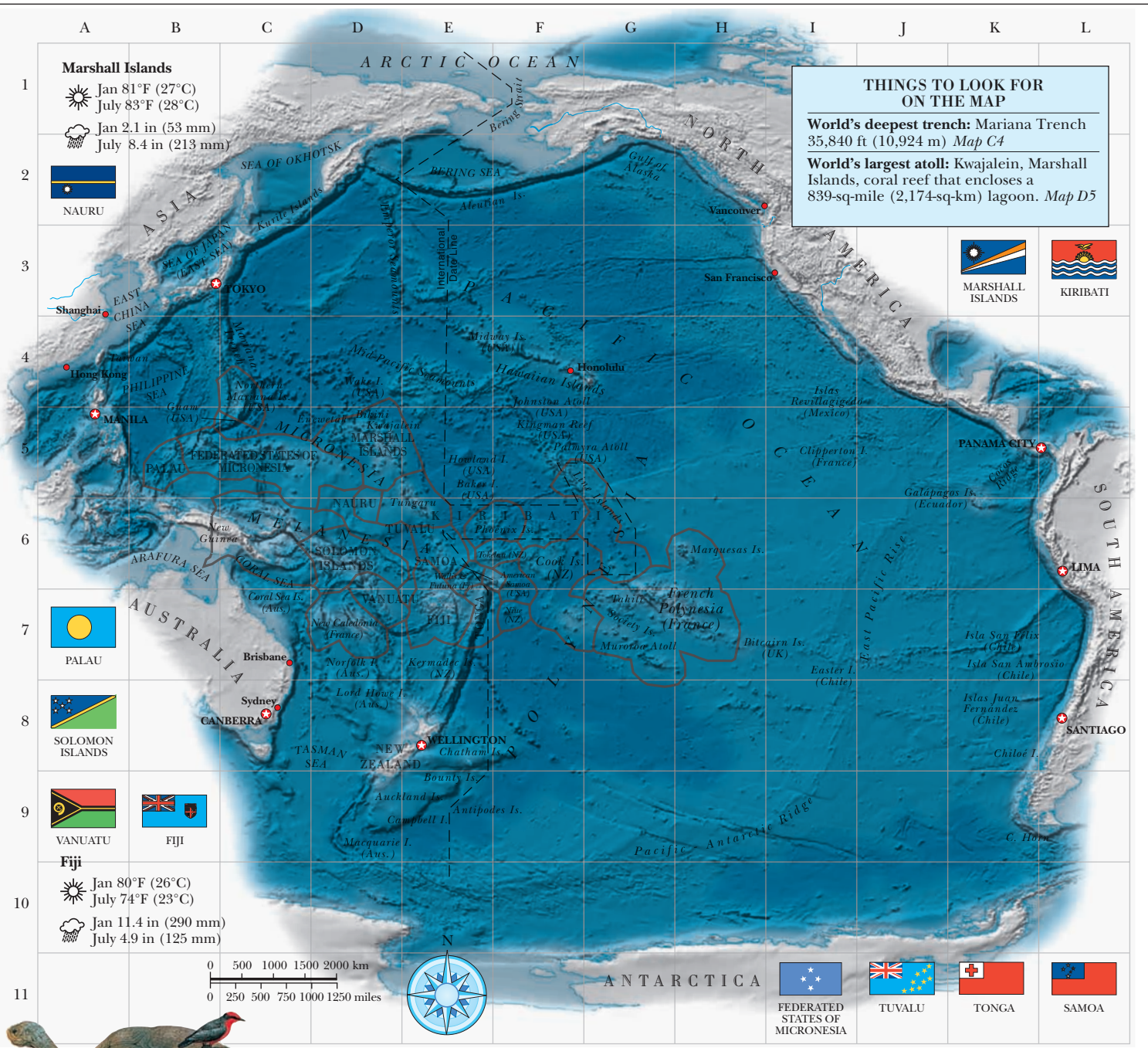
THE EFFECT OF TOURISM

Many of the "island paradises" are fast becoming major tourist destinations – especially around Fiji, Tonga, and Samoa. Tourism brings in valuable income, but it can also damage the environment and affect the life of local people. For example, already limited water supplies may be diverted away from villages to hotel pools and showers.

NUCLEAR TESTING

Since the first experiments at Bikini Atoll in 1946, the US, Britain, and France have used the Pacific to test nuclear weapons. The islanders and groups such as Greenpeace campaigned to stop the testing. France carried out the last explosions in 1996. A treaty banning tests was signed in 1998, but some islands are still not safe to live on due to high radiation levels.



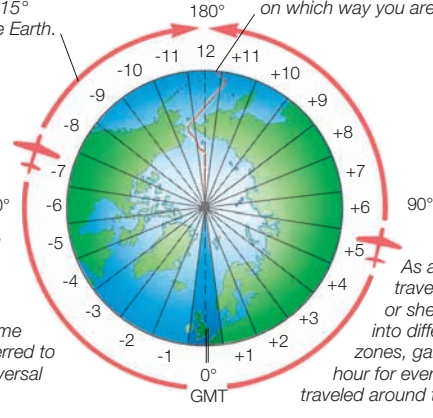


Giant tortoise found only on the Galápagos Islands

GALÁPAGOS ISLANDS
When British naturalist Charles Darwin (1809–1882) went to the Galápagos Islands, off the west coast of South America, he found many unusual creatures, including giant tortoises. He also noticed differences between animals of the same kind living on different islands. This led him to believe that, over many generations, animals change, or evolve, to suit their habitat.

As a person travels west, he or she moves into different time zones, losing one hour for every 15° traveled around the Earth.

At the International Date Line, where the date changes, you lose or gain a day, depending on which way you are traveling.



Since 1884, time has been measured from Greenwich, in Great Britain. Originally known as Greenwich Mean Time (GMT), it is now referred to as Coordinated Universal Time (UTC).

As a person travels east, he or she moves into different time zones, gaining one hour for every 15° traveled around the Earth.

INTERNATIONAL DATE LINE
The world is divided into 24 imaginary time zones, shown left, and the time of day changes by one hour from one zone to the next. At a halfway point – the International Date Line – the date changes. The line dissects the Pacific Ocean, although in some places it winds its way between the islands – life would be difficult if it were two different days on one island.

<i>Find out more</i>	
CORAL ISLANDS:	202
GREENPEACE:	273
SETTLING PACIFIC ISLANDS:	257
VOLCANOES:	13

THE ARCTIC

THE MOST NORTHERLY CONSTELLATION of stars, Arktos, or the Great Bear, gives its name to the icy ocean beneath it, which surrounds the North Pole. One of the coldest places on Earth, the Arctic Ocean is bordered by the northernmost parts of Europe, Asia, and North America, including Greenland, the world's largest island. Most of the Arctic Ocean is covered by ice, although warmer currents from the Atlantic and Pacific flow northward into it, warming the sea and air and clearing ice from the coasts in summer. Few people live in the Arctic, although the region is rich in minerals and wildlife.



The polar bear is well adapted to Arctic life. It has acute senses, runs fast, swims well, and is camouflaged against the snow and ice by its white fur. Polar bears feed on seals and other animals, ranging far across the ice in search of prey.

NATURAL RESOURCES

The lands that surround the Arctic Ocean are rich in minerals. Vast oil and gas reserves lie under Alaska, while Norwegian and Russian companies are mining coal on the island of Svalbard (shown here). Smaller quantities of gold, iron, silver, tin, and other minerals are found throughout the region. Extracting these resources is expensive, but as supplies elsewhere begin to run out, oil and mining companies are turning their attention to the untapped wealth of the Arctic region.



PEOPLE OF THE ARCTIC

The cold, inhospitable Arctic region is home to few people. The Sami of northern Scandinavia, the Yugyts and Nenets of Siberia, and the Inuit of Canada have traditionally survived by hunting and trapping wild animals. Large herds of reindeer provide them with all their basic needs, such as food, clothing, tents, tools, and items to trade. Some native peoples still follow this nomadic lifestyle, but most now live in settled communities, like this one in Iqaluit in Canada.



Traditional Inuit clothing is often lined with fur to keep out the cold.



CLIMATE

During the long winter months, the Sun never rises over the horizon, and temperatures drop as low as -94°F (-70°C). In the summer, the Sun never sets, bathing the region in constant daylight and raising temperatures considerably. This is because the Earth rotates at an angle to the Sun, plunging the Arctic from total light to total darkness as the North Pole moves toward and away from the Sun. The dark polar skies are lit by the Aurora, wispy curtains of red and green light caused by electricity in the upper atmosphere.



Arctic terns breed in large colonies during the Arctic summer. When winter comes, they fly halfway around the world to take advantage of the daylight and rich food supply of the Antarctic summer.

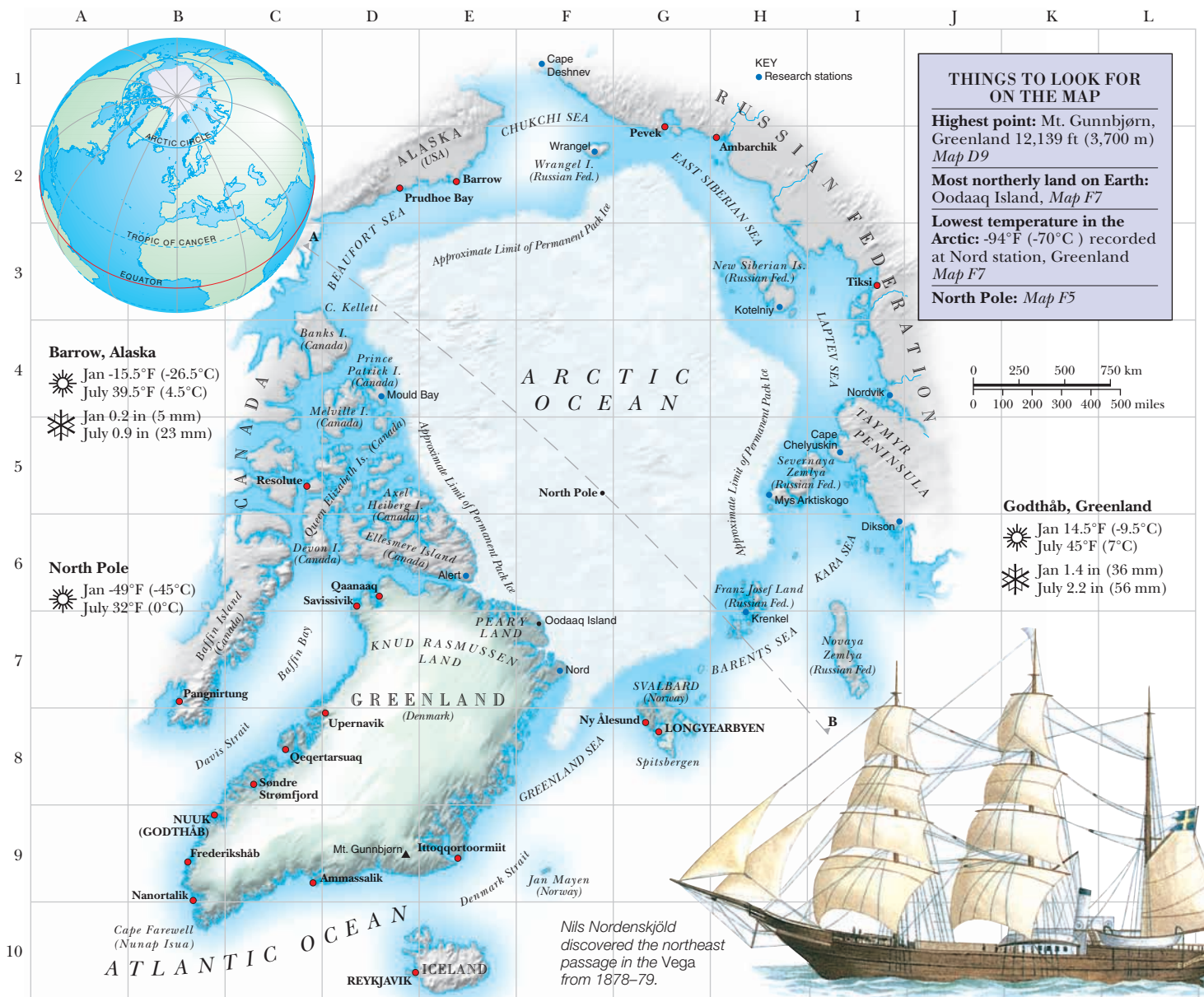
ARCTIC WILDLIFE

The Arctic Ocean teems with wildlife. Seals, walrus, and many species of whales thrive in the icy water, protected from the cold by layers of thick blubber beneath their skins. On land, reindeer, musk ox, hares, foxes, and wolves scavenge for food, migrating south to avoid the worst of the winter. In the brief summer hardy plants bloom, providing food for millions of insects. Birds such as the Arctic tern and Brent goose take advantage of this insect food supply to breed and raise their young.



TRAVEL IN THE ARCTIC

Travel on land has always been difficult in the Arctic. In the winter, thick snow covers the ground, while the summer thaw turns much of the land into a boggy marsh. Snowshoes and skis stop people from sinking into the soft snow, while boots with rough or spiky soles grip well on icy ground. In the past, teams of huskies pulled sleds with supplies over great distances, but now the dogs have largely been replaced by snowmobiles. These small, motorized sleds on skis are easy to maneuver and can pull very heavy loads.



ICE BREAKERS

The Arctic sea ice is usually about 6 ft (2 m) thick. Ships called ice breakers are specially constructed with reinforced hulls and bows shaped for plowing through this icy obstacle. Their powerful engines push the bow on top of the ice until the weight of the ship breaks it, clearing a passage for other sea vessels.



ARCTIC EXPLORATION

In the 16th century, European sailors first explored the Arctic seas in search of a new trade route to Asia. English sailors began to map the northwest passage around the top of Canada, while the Dutch explored the northeast passage around Siberia. By 1906, both routes had been successfully navigated. Three years later, an American, Robert Peary, claimed to have reached the North Pole itself. However, the speed of his journey has led some explorers to doubt his achievement.

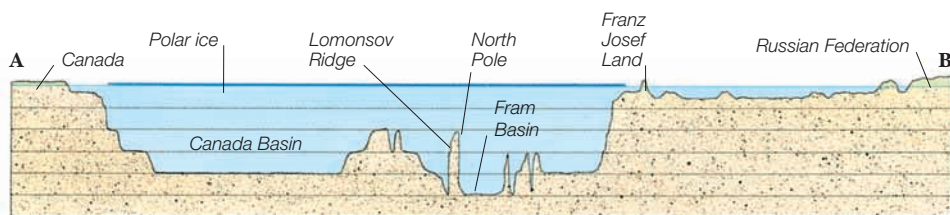


Roald Amundsen sailed through the northwest passage in the Gjøa from 1903-06.

CROSS-SECTION THROUGH THE ARCTIC

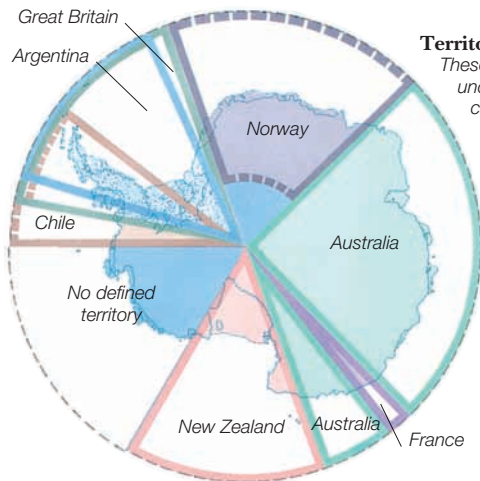
For centuries, some Arctic explorers believed that the polar ice lay on top of a vast continent. In 1958, an American atomic-powered submarine, the USS *Nautilus*, demonstrated that this was untrue by sailing from Alaska to Svalbard underneath the ice. Subsequent exploration beneath the ice has revealed the ridges and basins of the seabed below.

This cross-section follows the line A-B on the map above.



THE ANTARCTIC

UNLIKE THE ARCTIC, which is an ocean surrounded by continents, the Antarctic is a continent surrounded by oceans. Antarctica is the most remote, inhospitable place on Earth and consists of a large land mass and numerous offshore islands. Most of the mainland is covered by a vast ice cap, which breaks up at the coastline, forming huge icebergs up to 125 miles (200 km) long. Antarctica is the only continent that has no permanent human population – the only inhabitants are visiting scientists studying the local environment. It is also unique in being governed by an international treaty that forbids countries from owning or exploiting the land.



Territorial claims in the Antarctic
 These claims have been suspended under the Antarctic Treaty. Stations can be set up for research, but military activities are forbidden.

By taking samples of ice from deep inside the ice cap, scientists are able to study changes in the climate.



STUDYING ANTARCTICA
 Scientists from all over the world come to Antarctica to study its unique climate, weather, geology, and wildlife. The age-old rocks tell them much about the development of the Earth, while analysis of the many meteorites that hit the ice cap provides valuable information about the Universe.

THE ANTARCTIC TREATY

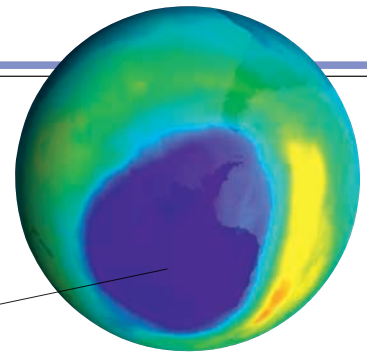
In the first half of the 20th century, many countries claimed territory in Antarctica. In order to prevent future conflict, 12 countries signed the Antarctic Treaty in 1959, which suspended all national claims to the land. The treaty designated Antarctica as “a continent for science,” and stated that it should be used for peaceful purposes only. Today, 45 countries have signed the treaty, which is one of the most successful examples of international cooperation.

Captain Roald Amundsen taking sights at the South Pole in 1911.



ANTARCTIC EXPLORATION

It wasn't until 1820 that the shores of Antarctica were first sighted. From the 1840s onward, explorers began to map the continent, but the South Pole remained unknown. In the summer of 1911–12, two expeditions – one from Norway led by Roald Amundsen, the other from Britain led by Robert Scott – set out to reach the Pole. Amundsen arrived on December 14, followed by Scott a month later.



The hole in the ozone layer above Antarctica is the largest ever observed by scientists.

CLIMATE

The ozone layer is between 9–19 miles (15–30 km) up in the stratosphere. It protects the Earth from the sun's harmful rays by absorbing ultraviolet radiation. In recent years, scientists have observed a hole in the ozone layer above Antarctica. The hole is three times larger than the U.S. and has caused huge concern about the production of ozone-destroying gases. This finding suggests Antarctica is much more fragile than was previously thought.



The American-owned Amundsen-Scott base is situated at the South Pole.

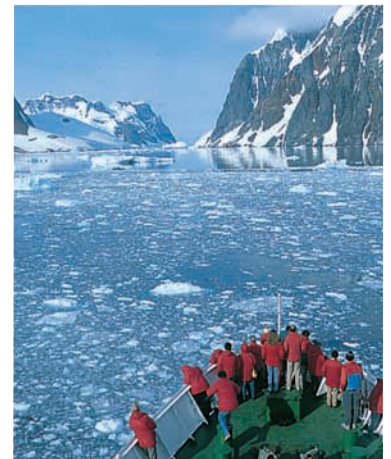
RESEARCH STATIONS

Barely 1,000 people live in Antarctica in the winter, with another 3,000 joining them during the summer months. All are involved in scientific research and live on one of the 46 or so bases dotted around the continent. Each base is specially insulated against the intense cold and some have been constructed below the surface in order to conserve heat. Diesel fuel is used for heating and generating electricity, and enough fuel, food, and other supplies are kept to last 12 months, in case weather prevents new supplies from being brought in.

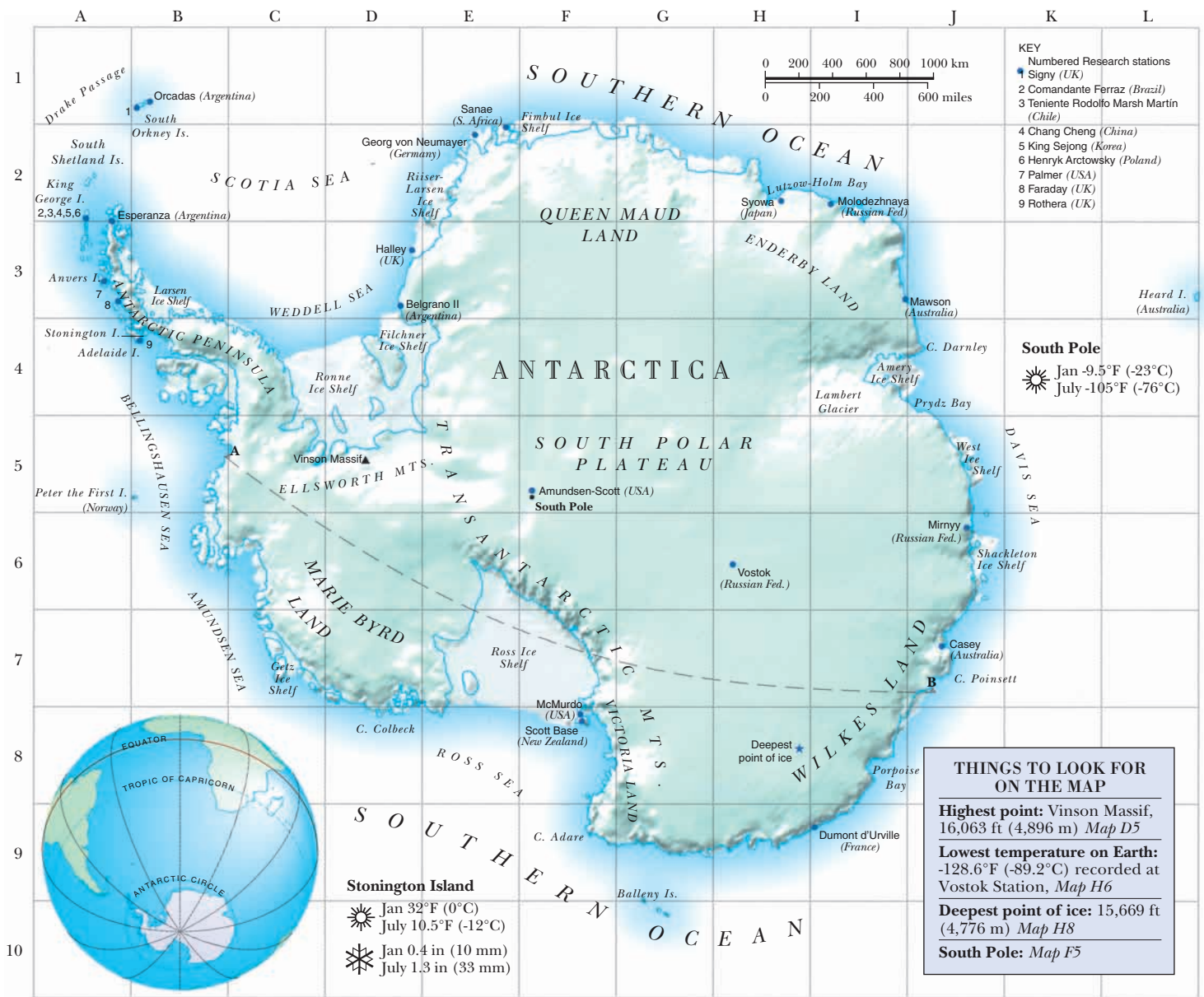
TOURISM

Each year, a few intrepid tourists visit Antarctica, exploring the dramatic coastline in cruise ships or flying inland over the ice to land at the South Pole. So far, the small number of tourists has had little effect on the environment. However, the environment is threatened by the garbage slowly accumulating around the older scientific bases.

Cruise liners have been bringing tourists to Antarctica since the 1950s, and now bring about 10,000 people each year.



THE ANTARCTIC



CROSS-SECTION THROUGH THE ANTARCTIC
 Antarctica is buried beneath an enormous ice cap that covers 99.6 percent of the land area. It has formed from the buildup of snow compacted over 100,000 years. The ice cap contains most of the freshwater on Earth, and 90 percent of all the ice. If the ice were to melt, the oceans would rise by up to 210 ft (64 m). The ice weighs so much that it pushes much of Antarctica below sea level.

This cross-section follows the line A-B on the map above.

Sea level
A

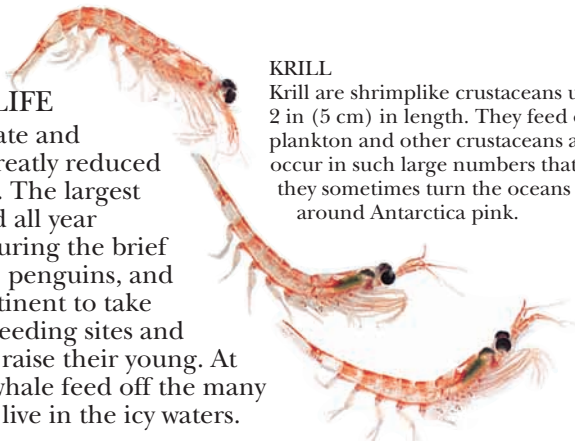
Ross Ice Shelf
 Transantarctic Mountains
 Deepest point of ice
 B

ANTARCTIC WILDLIFE

Antarctica's severe climate and isolated position have greatly reduced the variety of its wildlife. The largest animal that lives on land all year round is a tiny insect. During the brief summer, however, seals, penguins, and many birds visit the continent to take advantage of the safe breeding sites and plentiful food supply to raise their young. At sea, a dozen species of whale feed off the many seals, fish, and krill that live in the icy waters.

KRILL

Krill are shrimplike crustaceans up to 2 in (5 cm) in length. They feed on plankton and other crustaceans and occur in such large numbers that they sometimes turn the oceans around Antarctica pink.



EMPEROR PENGUINS

The majestic emperor penguin stands up to 4 ft (1.15 m) tall and can weigh 66 lb (30 kg). After spending most of the year at sea, the emperors come ashore in April to breed. The male alone then incubates the single egg during the icy winter, holding it on his feet to keep it warm. The female returns in July to feed the newborn chick.

POLITICAL SYSTEMS

NO TWO COUNTRIES have identical political systems, since over the years each country has evolved a form that suits its history, culture, people, and rulers. However, it is possible to group the political systems of the world into a few main categories. There can be variations within each category. Some countries have a system that is in transition from one category to another, such as Afghanistan, which is moving from theocracy to multi-party democracy, or Zimbabwe, which is being moved from democracy to dictatorship by its leader, Robert Mugabe.

Woman voting in elections in India – the world's most populous democracy.



POLITICAL TERMS

- Alliance** A formal agreement between nations for economic, political, or military reasons.
- Apartheid** A policy of separating people by race.
- Capitalism** A system in which wealth and profit in the hands of a few people drives the country's economy.
- Communism** A system in which property and land are owned by the whole community and each person is paid according to their needs and abilities.
- Democracy** A system in which people vote for the government of their choice.
- Economy** The organization of a country's finances, exports, imports, industries, and services.
- Multiparty elections** More than one party running for election.
- Nationalized** Industries or services owned by the state.
- Privatization** State-owned organizations taken over by private companies.
- Republic** A state where people elect the head of state and the government.
- Socialism** A system in which the economy is controlled by the whole community.
- Trade union** An organized group of workers united to protect their rights and interests.
- West, the** Countries in Europe and North America with capitalist economies and democratic governments that share similar cultural values.

MULTIPARTY DEMOCRACY

In a multiparty democracy, people are given a choice between several parties to elect. Because this allows different points of view to be expressed in public and opposition to form against the elected government, not every country can make a multiparty democracy work. Some countries claim to be multiparty democracies, but real power is actually held by the president.

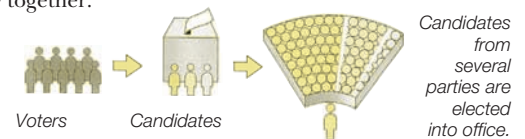
CONSTITUTIONAL MONARCHY
In a constitutional monarchy, the head of the ruling royal family is head of state and is succeeded by his or her closest relative in hereditary succession. Japan, for example, is a constitutional monarchy whose head of state is the emperor. The monarch has no real power, but acts as a figurehead for the country. This is in the hands of the democratically elected government, led by the prime minister, the ruler of the largest party in parliament. Over the years, many countries have evolved from absolute to constitutional monarchies.

FEDERAL REPUBLIC
Some nations, including Germany, are federal republics, with each state in the republic having considerable power and electing its own prime minister. In Germany, the federal assembly acts as an umbrella over the states and elects a chancellor (prime minister) to rule the republic as a whole. The president is chosen by the states and assembly together.

Pro-democracy protesters are confronted by riot police in Indonesia.



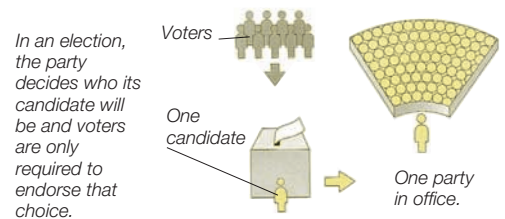
PRESIDENTIAL REPUBLIC
A presidential republic is a true democracy where voters choose both the head of state – the president – and elect representatives to the legislature. It is the most common form of government in the world. In countries such as the US and South Africa, the president is both the head of state and of government. In France and Russia, the president is elected head of state and chooses the prime minister to run the government, but retains considerable power in the running of the nation. In many countries, such as Ireland, India, and Israel, the president is a symbolic figurehead and real power is held by the prime minister and government.



ONE-PARTY STATE

In a one-party state, only one political party is allowed to exist. All other parties are forbidden. All power in the state is held by the one party. The former communist states of eastern Europe and many of the African nations are now moving from being one-party states to establishing a multiparty democracy.

Soldiers on the streets in Indonesia



THEOCRACY


In a theocracy, power is held by religious leaders who rule according to their scriptures. In Iran, the *mullahs* – Muslim scholars and priests – hold the real power, though the government is in non-religious hands. The Vatican

City, the world's smallest state, is a mixture of a theocracy and an elected monarchy. The head of state is the Pope, who is leader of the world's Roman Catholics. He is elected for life by cardinals, who are senior clergy.

ONE-PARTY DOMINATED STATES

Some countries, such as Egypt and Tunisia, claim to be multiparty democracies, but are run by a single party that keeps a firm hold on power, often with the support of the army, as in Syria.

ABSOLUTE MONARCHY

 In an absolute monarchy, power is held by the ruling monarch of the country and is handed down through the royal family to his or her successor. In the past, absolute monarchs kept all power to themselves, but today most appoint a small advisory council to help them rule.

MONARCHY WITH A PARTIAL DEMOCRATIC SYSTEM

In some countries, the ruling monarch retains a strong grip on the government but allows some limited democracy. In Jordan, King Abdullah allows direct elections to the lower House of Representatives, but keeps strong control by appointing all 55 members of the upper house, or Senate.




DICTATORSHIP

 A number of countries around the world are ruled by single rulers, called dictators, who have absolute authority. Most dictators gain power either through military coups (an army takeover), by seizing leadership from an existing ruler, as in Iraq, or through direct elections and then banning opposition parties. Once in office, dictators rule in a personal, often brutal, fashion, eliminating all opposition to themselves.

Dictator of the Central African Republic from 1965 to 1975, Jean-Bédel Boukassa crowned himself "emperor" in 1977.

MILITARY GOVERNMENT

 Military governments are usually set up after the army has seized leadership from a weak or unpopular government. An example of a military government is Pakistan, where the military under Pervez Musharraf seized power. All power is held by senior military officers, usually drawn from the army. Elections and parliament are abolished and political parties are declared illegal. Military governments have often held power in South and Central America, Africa, and Asia.

EMPIRE

Empire is when one country controls a number of other countries, usually under the control of one ruler or emperor. Empires have existed since ancient times, though the 18th and 19th centuries are often called "the Age of Empire," since this was when the European powers expanded their rule throughout the continents of South America, Africa, and Asia. Today, only small pockets of these European empires remain.

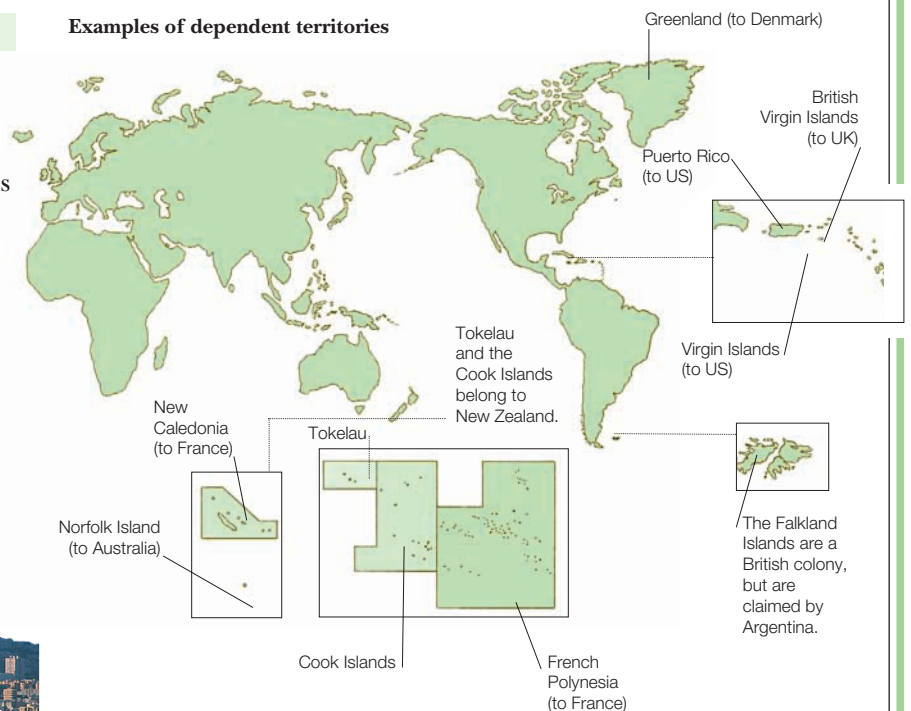


Hong Kong was handed back to the Chinese after 157 years of British rule in 1997.

DEPENDENT TERRITORIES

Not every country rules itself. About 10 million people around the world live under the protection of either the UK, Denmark, Norway, France, the Netherlands, the US, New Zealand, or Australia. Most dependent territories are relics of the colonial era that have remained attached to their former colonial rulers. Some territories have recently changed status. Hong Kong, for example, reverted from British to Chinese rule in 1997. Some territories are retained because of their strategic or economic importance, while others remain colonies because they are too small, remote, or weak to survive on their own.

Examples of dependent territories



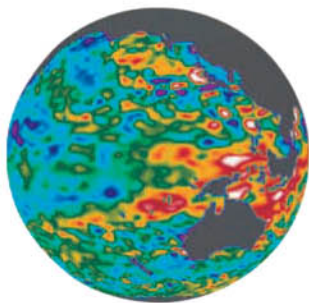
Gibraltar is a self-governing British colony, captured from the Spanish in 1704.

NATURAL DISASTERS

NATURAL DISASTERS SHAPE both our landscape and human history. Since civilization began, mankind has had to cope with the the power unleashed by nature in the form of volcanoes, earthquakes, floods, and fires. The immense forces nature unleashes affect all our lives and influence everything from the way we construct buildings to where we situate towns and cities. Though we can prepare in a limited way for natural disasters, no one knows when the next will strike and with what force. People also pollute the atmosphere, and this means that our climate and its destructive power is changing in ever more extreme and unpredictable ways.

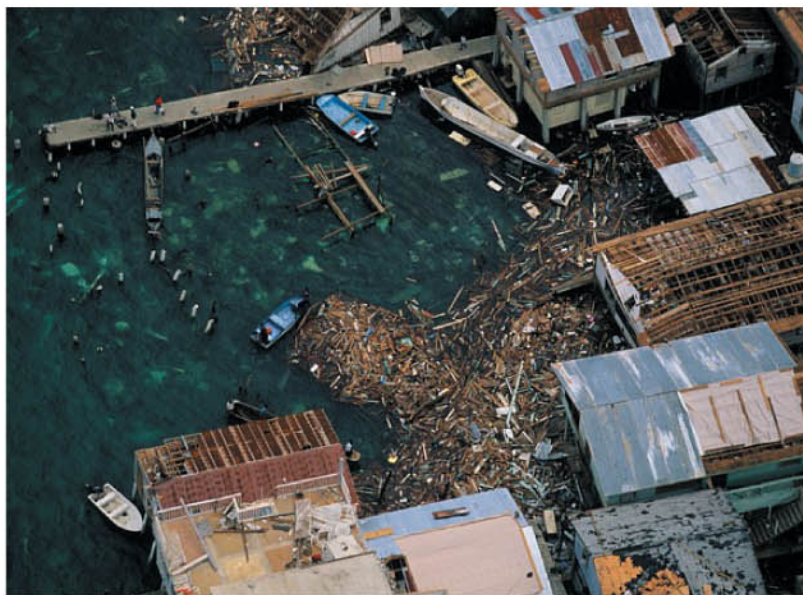
TROPICAL CYCLONES

Tropical cyclones, known as hurricanes in the the Caribbean and the U.S. and typhoons in the west of the Pacific Ocean, are powerful, seasonal storms with high winds of over 70 mph (113 km/h). They originate in oceans over the equator and there are around 100 worldwide each year. Sometimes they do not reach land, but when they do, vast destruction is usual. Tropical cyclones are given names, such as Hurricane Katrina or Mitch, so people can identify them in forecasters' warnings. The thunder storms they generate can produce 10 in (25 cm) of rain each day and thus make huge amounts of energy, often equivalent in one day to as much power as the U.S. uses in one year.



EL NINO

The satellite image of Earth shows the temperature of the land and sea around Indonesia, the red and white colors indicating higher than average readings. Later sea temperatures dropped dramatically. The departure of the large mass of warm water affects where rain clouds come from, and brought drought to Indonesia. This is the weather disrupting phenomenon known as El Niño.



Hurricane Mitch sustained winds of more than 180 mph (290 km/h) and caused huge destruction.



Kiribati in the Pacific will be one of the first countries to be totally submerged.

GLOBAL WARMING

An ever increasing amount of so-called "natural disasters" are, in fact, the results of global warming, a heating up of the Earth's climate that scientists now believe is probably caused by atmospheric pollution. As countries' climates change, people must prepare for new weather situations they had not previously encountered, such as flooding and drought. The warmer temperatures are also melting polar ice caps, thus increasing sea levels. The result is that low-lying areas of some countries will revert back to the sea and some whole islands may be lost.



A bush fire rages in Kakadu National Park, Australia.

FIRE

Bush, or forest, fires can be one of the most terrifying of all natural disasters. They destroy vast tracts of vegetation, kill large numbers of animals, and can do great damage to crops and property. A forest fire usually starts after a particularly dry season, and while fires may be set off spontaneously or through a strike of lightning, often they are caused by people. Once burning, the fire quickly grows in scale, becoming a huge wall of flame. Strong winds can drive the flames, spreading them at huge speed and across vast distances.

VOLCANOES

A volcano is a vent in the Earth's surface through which molten rock and hot gases escape. Volcanoes can lie dormant for many years before erupting suddenly, causing tremendous destruction as the poisonous gases are discharged and lava (molten rock) flows out. The word volcano comes from an island in the Mediterranean that the Romans called *Vulcano*. This volcanic island had a crater that blew out smokelike vapor, making the Romans believe that it was the home of *Vulcan*, their god of fire.



Mount Ruapehu in New Zealand lights up the night sky as it erupts.



A mud slide in Nicaragua that killed over 1,000 people.

LANDSLIDES

When a hillside collapses, it is called a landslide. It can be both a natural or a man-made disaster.

It can be caused by the ground becoming saturated with rain water and giving way, earthquakes, or volcanic eruptions, but can also be triggered by human activity weakening the hillside through deforestation, machinery vibration, or the weight of buildings.

TORNADOES

Tornadoes, sometimes called twisters, are powerful whirling winds, accompanied by funnel-shaped clouds. The winds blow clockwise north of the equator and counterclockwise south of the equator. It is thought that they form when cold polar air meets warm tropical air. These winds have tremendous power and can rip up everything in their path, including whole buildings. Tornadoes are most common in Australia and the Midwest and the South, US.

A tornado approaches a corn field in Kansas.



TSUNAMIS

A tsunami is a huge wave created by an underwater earthquake, or by a volcanic eruption at or below sea level. Shockwaves from the earthquake create a tsunami that can travel at more than 435 mph (700 km/h). The tsunami gains height as it nears land. As the wave breaks, it causes devastation in low-lying coastal areas.

MAJOR INTERNATIONAL AID ORGANIZATIONS

CARE

One of the world's largest private international relief and development organizations, it works in over 60 countries around the world. CARE reaches out to people whose lives are devastated by humanitarian emergencies, or who are struggling each day in poor communities to improve their lives.

CARITIS INTERNATIONALIS

A worldwide network of Catholic relief and development organizations, such as CAFOD in the United Kingdom, that spreads

solidarity and social justice, without regard to creed, race, or gender.

MEDECINS SANS FRONTIERS (DOCTORS WITHOUT BORDERS)

Medecins Sans Frontiers (MSF) is an international humanitarian aid organization that provides emergency medical assistance to populations in danger in more than 80 countries. It provides medical aid wherever it is needed, regardless of race, religion, politics, or sex, and also raises awareness of the plight of the people in the developing world.

MUSLIM AID

Founded in 1985, it tries to improve the lives of people in the 44 poorest countries in the world through development programs such as the provision of clean water, health care, shelter, and education.

OXFAM INTERNATIONAL

Working for an end to the waste and injustice of poverty, both in long-term development work and times of urgent need. A group of independent organizations that work together to achieve greater impact by collective efforts.

SAVE THE CHILDREN

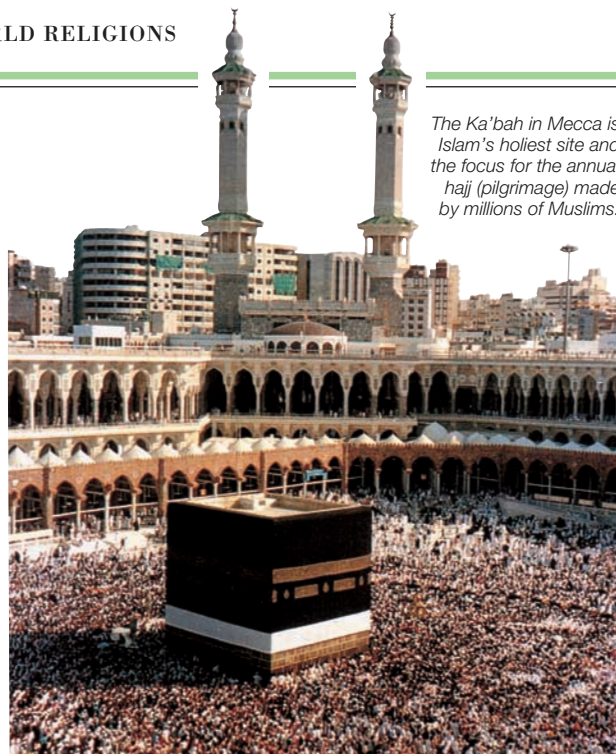
Founded in the United Kingdom in 1919 by Eglantyne Jebb, Save the Children works to improve the lives of children who are faced with poverty, violence, and injustice around the world.

UNITED NATIONS CHILDREN'S FUND (UNICEF)

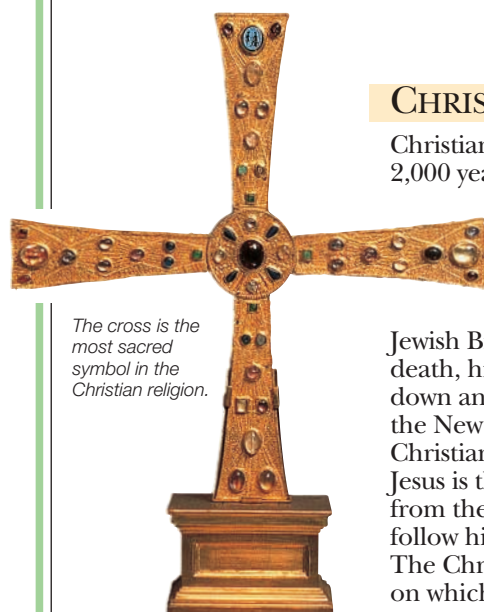
Founded in 1946, UNICEF works for the protection of children's rights, to help them meet their basic needs, and to expand their opportunities so that they can reach their full potential.

WORLD RELIGIONS

THROUGHOUT HISTORY, people have asked about the meaning of life and death and have sought answers through religion. There are many faiths throughout the world, each with its own practice and belief. Some religions, such as Christianity, have spread over the world; others, such as traditional African beliefs, have stayed in one place. The world's major faiths roughly divide into two groups – the Western tradition and the Eastern tradition. The Western tradition originated in the Near and Middle East and includes Judaism, Christianity, and Islam. The Eastern tradition began in India and includes Hinduism and Buddhism.



The Ka'bah in Mecca is Islam's holiest site and the focus for the annual hajj (pilgrimage) made by millions of Muslims.



The cross is the most sacred symbol in the Christian religion.

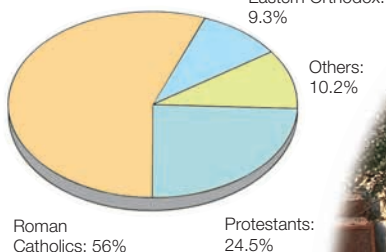
CHRISTIANITY

Christianity was founded around 2,000 years ago by Jesus Christ, who was born in the town of Bethlehem, in present-day Israel. Jesus was born into the Jewish faith, but interpreted the Jewish Bible in a new way. After his death, his teachings were written down and collected together in the New Testament of the Bible. Christians believe in one God, that Jesus is the Son of God, that he rose from the dead, and that those who follow him will have eternal life. The Christian symbol is the cross on which Jesus was killed.

DIVISIONS OF CHRISTIANITY

More than half of all Christians are Roman Catholics, who follow the leadership of the Pope in Rome. There are large numbers of Catholics in southern Europe, Central and South America, and Philippines. One-quarter of Christians are Protestants, who split from the Catholic Church 500 years ago, and belong to a number of self-governing churches. The main areas of Protestantism are in northern Europe and North America. About one in 10 Christians belong to one of the Eastern Orthodox Churches of Eastern Europe and Russia; each national church has its own Patriarch, or leader.

Types of Christians



ISLAM

Muslims follow the Islamic faith, based on a belief in one God, Allah. Islam shares the same roots as Judaism and Christianity, all three recognizing certain prophets, such as Abraham. Followers believe the last and greatest of the Islamic prophets was Mohammad, who was born in Mecca, Saudi Arabia, in 570. The words revealed to Mohammad by Allah were later written down in the Koran. After Mohammad's death, Islam split into two branches: the traditional Sunnis, who follow Mohammad's original successors (the Caliphs), and the radical Shi'ites, who followed Mohammad's cousin and son-in-law, Ali. Shi'ites are the majority in Iran and Iraq, Sunnis the majority elsewhere.

The Western Wall in Jerusalem is Judaism's most holy place.



JUDAISM

Judaism, the religion of the Jews, began in about 2000 BC when the ancient Hebrew people settled in what is now mainly Israel. Judaism is the parent of the other two major monotheist (one-god) religions, Christianity and Islam. There is no single founder, but Abraham was the first leader. The scripture is the Jewish Bible, of which the Torah (the first five books) is the most important part. After persecution in Europe, the Jewish people established a homeland in Israel in 1948, although Jews are found in most countries of the world. The Jewish symbol is the six-pointed Star of David.



The Torah is a Jewish sacred scroll and is made up of the first five books of the Old Testament.

BUDDHISM

Buddhism is based on the teachings of Buddha, the “Enlightened One,” a prince who was born in India in about 563 BC. Buddha taught that suffering is always present in daily life and is caused by desiring things. Freedom from desire leads to the end of suffering and the attainment of perfect peace, or *nirvana*. Although Buddhism began in India, most Buddhists today are found elsewhere, in China, Sri Lanka, Tibet, and Southeast Asia.



Buddhist monks in Thailand in their traditional saffron colored robes – Buddhism came to Thailand from India in around the first century BC.



ANGKOR WAT

Between 880 and 1228, a city called Angkor was built by the Khmer people in what is now northwestern Cambodia. One of the most impressive buildings was a temple called Angkor Wat (pictured). Originally dedicated to the Hindu god Vishnu, it is a fusion of Hindu and Khmer art, and is spread over 200 acres (81 hectares). It consists of five towers, each thought to represent Mount Meru, the home of the gods and center of the Hindu universe. With the decline of the Khmer Empire and the rise of Buddhism in Cambodia, Angkor Wat became a Buddhist temple. Today, it is a World Heritage site, though rising numbers of tourists are causing increasing amounts of damage to it.

HINDUISM

The world’s third largest religion after Christianity and Islam, Hinduism originated in India in about 1750 BC. The word “Hindu” comes from the Persian for “India.” Today it is the dominant faith in India, Nepal, and among the Tamils of Sri Lanka. It has no single founder or scripture, though the earliest beliefs were written down in the *Vedas*, a collection of hymns and chants. Most Hindus believe in many gods but in one underlying reality (*Brahman*). They believe that when a person dies their soul is reborn in another body. People who live good lives are born again in a higher life; bad lives lead to a lower life. Devout Hindus aim to be free from the cycle of rebirth and become one with *Brahman*.



Varanasi in India stands on the banks of the Ganges River, a holy place for Hindus.



A statue of the Hindu god Shiva, the destroyer. Shiva, Brahma, and Vishnu are three of the most important gods in Hinduism.

OTHER FAITHS

CONFUCIANISM Often thought to be more like a philosophy than a religion, Confucianism was founded by Confucius, or K’ung Fu Tze, in around 500 BC. It is not based on the worship of a god but on following a moral code. Confucianism is practiced in China and other parts of east Asia.

TAOISM This faith was founded in China by Lao Tzu around 300 BC. Taoists believe in many gods and aim to live in harmony with nature. Their symbol, *Yin Yang*, stands for balance and harmony. Taoism is followed in China and other parts of east Asia.

SHINTOISM The ancient religion of Japan is based on the worship of gods of nature and ancestor worship. Most Shinto shrines are in parks, gardens, and on mountains.

JAINISM Jains do not believe in a god; their faith is based on non-violence to all living things and a belief in rebirth. Most of its followers live in India.

ZEN BUDDHISM Very important in Japan, this branch of Buddhism originated in China. It aims at harmony in living and stresses the need for meditation.

TRADITIONAL BELIEFS Around the world, there are numerous local religions handed down by word of mouth from generation to generation. Many share a belief that there are spirits living in the world – in the sky, stars, trees, lakes, and rivers. Many traditional faiths are found in Africa, where beliefs vary widely depending on the individual tribe. The ancient faith of Shamanism, found in parts of Asia, centers on a priest, or *shaman*, who goes into trances to enable people to leave their bodies and visit the spiritual world.

SIKHISM

This faith began in the Punjab region of India in the 1400s. Its founder was Guru Nanak. He was succeeded by nine other Gurus who all helped to develop Sikhism. The *Guru Granth Sahib* is the Sikh holy book. The religion is based on the worship of one God and on the cycle of human rebirth. Sikhs believe that God is found in all things, and that all people are equal in the eyes of God. Sikhism is mainly practiced in India, but followers are also found throughout the world.



The golden Palace in Amritsar, Punjab, is a site sacred to Sikhs.

HEALTH

OVER THE LAST 100 YEARS, the world has become a healthier place to live. Advances in medical science, improved diet, higher living standards, and better health education have all helped people live longer and healthier lives. However, many problems remain, especially in the less fortunate countries within Africa and Asia. While immunization has protected millions of children against disease, many illnesses remain common. Tuberculosis and malaria are widespread, AIDS is decimating the population in parts of Africa, and thousands of babies die each year of tetanus. In the world's richer continents, which include North America, Oceania, and Europe, cancer and heart disease plague many of the people.



The Japanese generally live longer since they often have a high standard of living and a low-fat diet.

LIFE EXPECTANCY

Life expectancy is a measure of how long a person is likely to live. In 1950, the average person expected to live 40 years, but now most live to at least 63. This hides the differences between rich and poor countries, and the social groups within them. Wealthier people are generally healthier than the poor, and rich countries, like Andorra, with the world's highest life expectancy, are usually healthier places to live.

LOW LIFE EXPECTANCY	
Sierra Leone	37
Zambia	37
Malawi	38
Botswana	38

HIGH LIFE EXPECTANCY	
Andorra	83
Japan	82
San Marino	81
Sweden	80



In wealthy countries, many premature babies survive because of good health facilities such as incubators.

PEOPLE PER DOCTOR

One way of measuring the provision of health care in a country is to count the number of people cared for by each doctor. Countries that are rich or have good welfare systems provide easy access to health care services, and on average have one doctor for every 390 people. In contrast, there is only one doctor to every 50,000 people in the world's poorer countries, and over half the population lives more than 6 miles (10 km) from a doctor or medical center.

CHILD MORTALITY

The child mortality rate is the number of deaths of children under five years of age per 1,000 births. In some areas of the world, such as Afghanistan and parts of Africa, poor medical care and lack of nourishment lead to a high number of child deaths. The story is much better in Europe and North America, where less than 10 out of every 1,000 children under five die.

HIGHEST CHILD MORTALITY	
Country	per 1,000 births
Sierra Leone	390
Niger	354
Liberia	288
Angola	260
Afghanistan	257
Somalia	225

PREVENTIVE MEDICINE

There are many ways of safeguarding against illness. Immunization protects people from catching diseases such as measles and tetanus. In rich countries most children are immunized, but in some poor countries only 30 percent of children receive this care. Across the world, people are warned of the dangers of smoking, alcohol, and drugs. Governments also try to promote the idea of regular exercise to keep the population fit and healthy. Attention to water quality, food hygiene, sanitation, and adequate housing all play their part in keeping people well. In the countries that can afford it, campaigns in the media, schools, and clinics help to educate people in basic health care and issues such as hygiene.



CONTROLLING DISEASE

War has a devastating effect on any country caught up in the conflict. As well as the destruction of land and buildings, the humanitarian costs can be enormous. People fleeing war zones to live in crowded refugee camps often have limited access to food or safe water supplies and serious diseases spread quickly. Organizations such as the Red Cross (shown here at a Thai refugee camp for Cambodians) try to minimize suffering by providing food and medical supplies.

HEALTHY EATING

People are known to live longer if they eat a healthy diet that is low in saturated fats and includes fresh fruit and vegetables. The diet eaten by people who live in Mediterranean countries, such as Italy and Spain, contains a variety of healthy food, like fish, leafy vegetables, olive oil, and legumes. Regular exercise is also important for a healthy life.

Food typically eaten in many Mediterranean countries



EDUCATION

EDUCATION IS ONE OF the most important ways of creating a better world, for it enables people to improve their own lives. Most children receive a primary education up to the age of 11, which gives them the basic skills of reading, writing, and mathematics. About half the world's children also receive a secondary education up to the age of 16 or 18, and some go on to higher education. But education provision varies greatly. Children in rich countries generally receive a better education than those in poorer areas. One of the biggest problems for poor countries is that their less-educated population is ill-prepared to cope with the demands of the modern world.



In the U.S. over a quarter of all young people go on to higher education.

Children in Japan work hard to pass their exams. Many attend special classes on Saturdays or in the evenings.



These children are studying at a rural school in Haiti.

RURAL AND URBAN SCHOOLING
In the poorer countries of Africa and Asia, children who live in towns usually receive a better education than those who live in the countryside. This is because many country children are needed to stay at home to work the land and help in the family, and would have to travel long distances to get to school. However, educating rural children can bring great advantages, because they can develop skills to increase productivity in agriculture and local industry.

MALE AND FEMALE DIFFERENCES

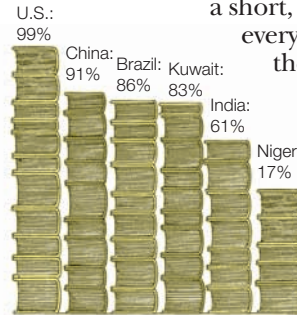
In many countries, girls are not as well-educated as boys. Girls often leave school earlier and some are not educated at all. This might be for religious or economic reasons, because society thinks they should remain at home or because they are needed to work on the land. However, the situation is improving because educating women benefits the national economy.



In some countries girls are expected to leave school early to help in the home.

ADULT LITERACY

The adult literacy rate of a country shows how many adults over the age of 15 can read and write. The test involves asking a person to read and write a short, simple statement about their everyday life. In the U.S., for example, the literacy rate is 99 percent, which means that only one adult in 100 cannot read or write. In Niger in west Africa, however, the adult literacy rate is only 17 percent, which means that 83 people in every 100 cannot read or write.



Adult literacy rates

EDUCATION LEVELS

A country's ability to educate its people is related to its wealth. Rich countries can spend money on schools and teachers, as well as books and computers. In turn, a good education adds to that country's wealth by producing qualified people to work in its offices, factories, and farms. Better education supplies more teachers, trains farmers to be more productive, and help office workers to be more efficient.

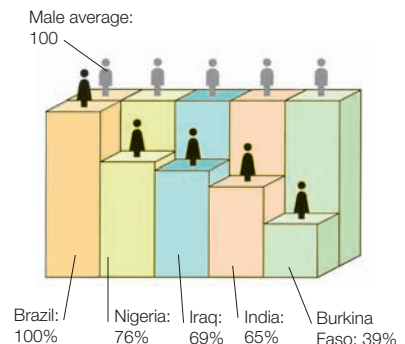


EFFICIENT EDUCATION

Japan has one of the most efficient education systems in the world. Nearly all children attend a nursery school before they are old enough to go to primary school, and one-third of children stay on for higher education. Japanese children do well in science and math, which are subjects much in demand by industries.

Male and female differences in literacy rates

In each case the female figure is a percentage of the male average, which is given as 100. The closer the figure to 100, the smaller the gap in literacy rates.



RICH AND POOR

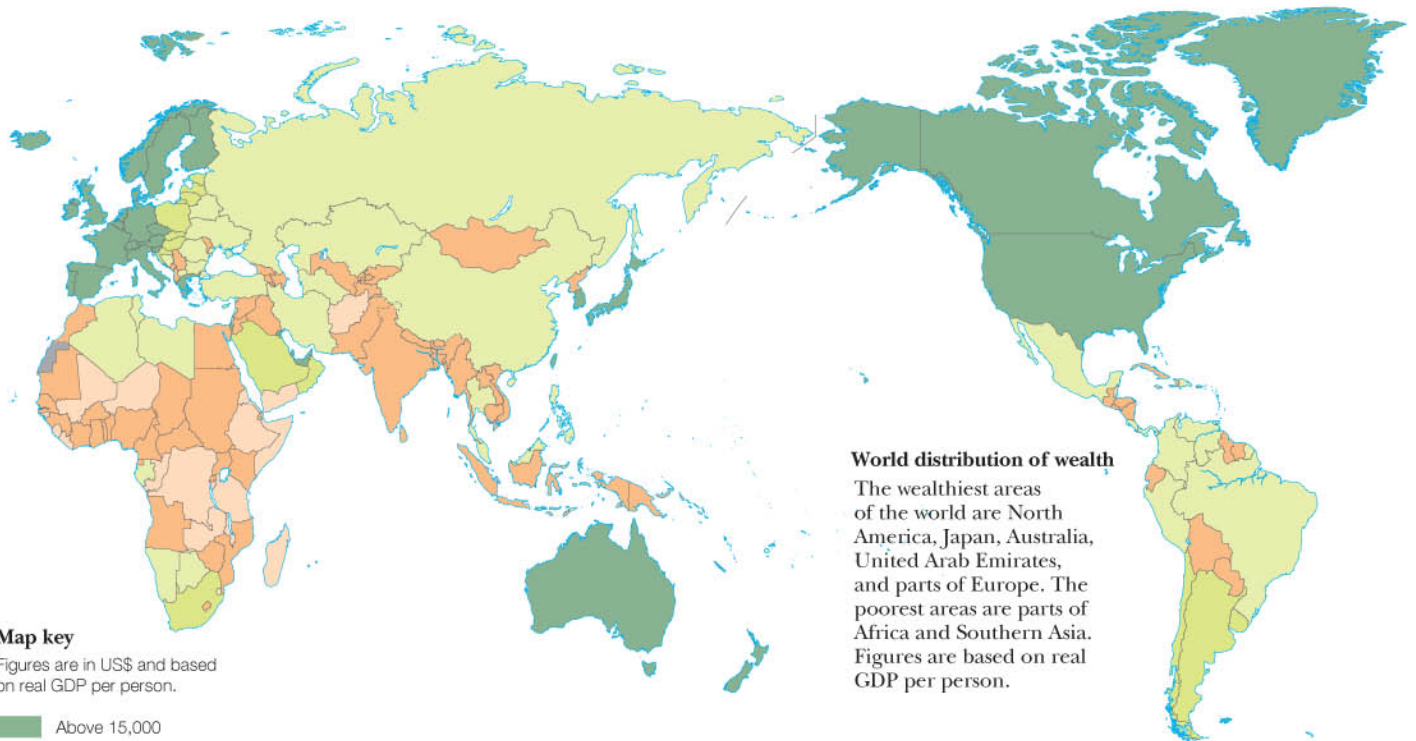
THE DIFFERENCE IN WEALTH between the richest and poorest countries is vast. The average person in Mozambique earns one six-hundredth of the average person's wages in Switzerland. How wealthy a country is depends on its natural resources, industrial strength, population size, and political stability. Libya is much richer than its neighbor, Chad. Both are desert countries with small populations, but Libya has oil while Chad has few natural resources. Many poor countries borrow money from richer countries. Debt repayment is difficult, with the result that poor countries stay poor, while rich countries continue to grow richer.

POOREST COUNTRIES (Based on real GDP per person)	
Country	US\$
East Timor	400
Malawi	600
Sierra Leone	600
Somalia	600
Burundi	600

RICHEST COUNTRIES (Based on real GDP per person)	
Country	US\$
Luxembourg	58,900
U.S.	40,100
Norway	40,000
San Marino	34,600
Switzerland	33,800

NATIONAL WEALTH

There are two official measures of national wealth. The Gross Domestic Product (GDP) measures the total value of finished goods and services produced by a national economy. The Gross National Product (GNP) measures GDP and the income from abroad that flows into the country. Both figures are usually expressed in U.S. dollars. When the figures are divided by the total population of the country, they give an indication of how rich or poor that country is. The tables on the left show that the five richest countries are in Europe and the U.S., while the five poorest countries are in Africa and Asia.



Map key

Figures are in US\$ and based on real GDP per person.

- Above 15,000
- 10,000–15,000
- 5,000–10,000
- 1,000–5,000
- Below 1,000
- Figures not available

World distribution of wealth

The wealthiest areas of the world are North America, Japan, Australia, United Arab Emirates, and parts of Europe. The poorest areas are parts of Africa and Southern Asia. Figures are based on real GDP per person.

ABSOLUTE AND RELATIVE POVERTY

About a quarter of the world's population lives in "absolute poverty." This means that their basic needs for a healthy life are not met: they have little or no food to eat, no access to safe drinking water, and are often homeless. The vast majority of these people live in southern and eastern Asia and the area south of the Sahara in Africa. Many more people live in "relative poverty," which means they are much poorer than the majority of people living in the same country.

Women washing clothes at a watering hole in Burkina Faso



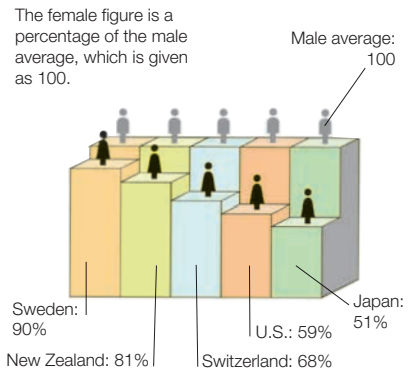


SOCIAL POVERTY

In most countries, there are groups of people who are poorer than others. Women are usually poorer than men – they are often paid less (see chart right) or are housewives with no income. Also, women often have a lower standard of education, which means they are not qualified to obtain higher-paid jobs. Single mothers and elderly single women are particularly at risk from poverty. Older people on low pensions and the sick are also poorer than average. In some places, such as São Paulo in Brazil (shown left), children are forced to live on the streets because they have no families to support them or homes to live in. They often beg or turn to crime to survive.

Favelas (slums) in Rio de Janeiro, Brazil, stand next to luxurious apartment buildings.

Male and female wages



WOMEN'S EQUALITY

In September 1893, New Zealand became the first country in the world to give women the right to vote. This marked the beginning of a long, worldwide struggle by women in many countries for equal rights in all aspects of life, including education, divorce, and equal opportunities at work.

THE NEWLY RICH

Historically, the wealthy countries of the world have been in Europe and North America. With the discovery of oil reserves in the Middle East in the past 60 years, the desert states of the Arabian Peninsula are now among the richest nations in the world. Also, the spectacular growth of Asian economies, such as Hong Kong, Taiwan, South Korea, and China – which have all followed in the footsteps of Japan – means that these countries may soon join the world's wealthiest nations.



Oil wealth has helped Dubai grow from a small trading post 50 years ago to a rich city with modern buildings.

EQUAL WEALTH DISTRIBUTION

Some countries strive for a more equal distribution of wealth among their citizens, so that there are few, if any, very rich or very poor people. Their governments spend a large proportion of national wealth on education, health care, social welfare, and job creation to help all levels of society. New Zealand was the first country in the world to introduce a full welfare state, while Scandinavian countries, such as Sweden, concentrate on providing jobs for everyone. Today, they are among the most equal societies in the world.



Rodeo Drive, Beverly Hills, is one of the richest shopping streets in the world.



The Big Issue is one of 35 street papers sold round the world by the homeless, with proceeds from sales going to help the homeless.

DIFFERENCES IN WEALTH

Within many countries there are great differences in income between rich and poor. In Europe and North America there are many homeless people on the streets or seeking refuge in cardboard shelters. In some poor countries, such as India, rich landowners and industrial managers flourish. In Brazil, the poorest 10 percent of the people earn only 0.7 percent of the total income, while the richest 10 percent earn 48 percent, a difference of 68 times. In comparison, the poorest 10 percent in Hungary earn 4.1 percent, while the richest 10 percent earn 20.5 percent, a difference of only 5 times.

INTERNATIONAL AID

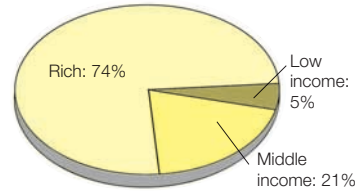
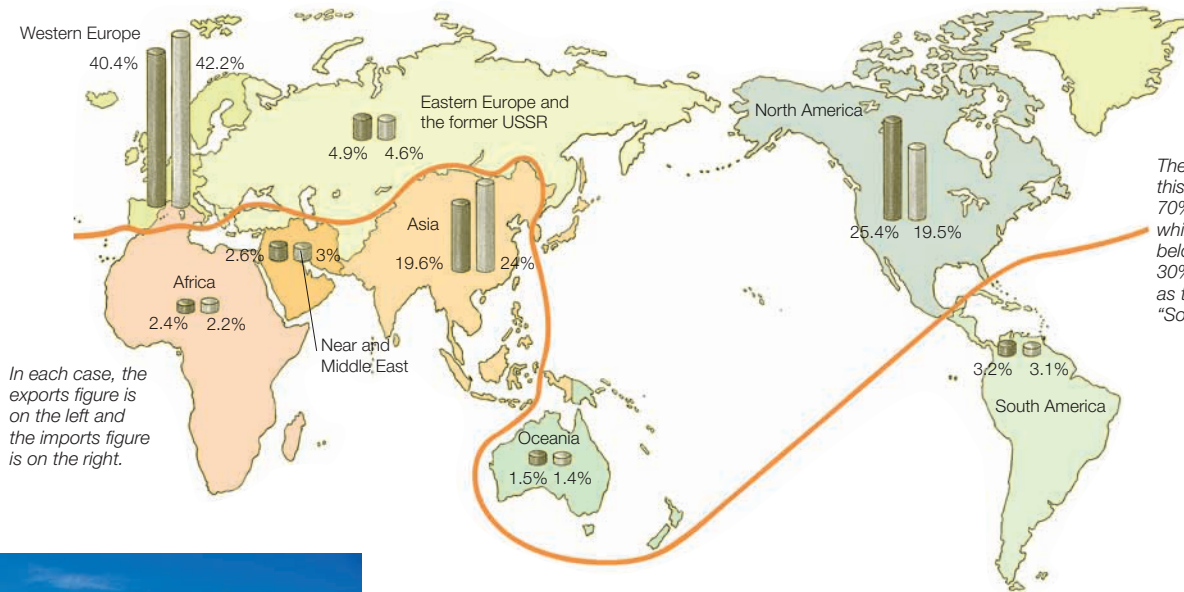
In order to help the world's poorest countries, the richer nations give them aid in the form of grants, loans, or, when a natural disaster such as an earthquake occurs, food, tents, and clothing. Some African countries, such as

Mozambique, are dependent on aid for much of their income. The largest source of aid is the U.S., which provides more than \$13.3 billion a year, although this is only 0.13 percent of its Gross National Product (GNP).

WORLD TRADE

TRADE BETWEEN THE COUNTRIES of the world allows each nation to specialize in the goods it produces best. A country will sell its products abroad to buy goods that are produced more cheaply elsewhere. Trade creates wealth and jobs by encouraging countries to produce goods that can be sold abroad, or exported. However, the benefits of trade are not evenly spread across all countries – some produce a range of goods much more cheaply than others, and these gain the most from trading. Today, much of world trade is controlled by about 200 multinational companies, which have offices and factories across the globe.

Percentages of world exports and imports by region



SHARE OF WORLD TRADE
The 23 richest countries in the world control 74 percent of all world trade. The 40 poorest countries, such as Haiti and Laos, control only 5 percent. The remaining 130 countries, such as the nations of eastern Europe and much of South America, control 21 percent.

NORTH AND SOUTH

As shown on the map, there is a clear divide in the share of world trade between the rich economies of the "North" and the poor economies of the "South." In order to prosper, a country needs to have a positive balance of trade, that is, earn more from exports than it spends on imports. Many nations have a negative balance of trade – importing more than they export. To improve their trade balance, many have grouped together to form regional trading blocs.



THE PACIFIC RIM

Over the last 20 years, the center of world trade has begun to shift from the U.S. and Europe to the U.S. and Asia, in particular those countries found around the edge of the Pacific Ocean, an area known as the Pacific Rim. Countries such as South Korea and Thailand, as well as the island states of Singapore and Taiwan, and the Chinese province of Hong Kong (above), have developed high-tech electronic industries, exporting their low-cost products around the world. Secure governments and encouragement of foreign investment have helped generate trade.

TRADING BLOCS

Some countries form alliances, or trading blocs, which give companies easier access to foreign markets and make it more profitable for them to trade with countries that are also members of the bloc. Countries may try and harmonize the rules that govern buying and selling so that foreign firms can trade on an equal footing with local companies. Some trading blocs, such as the European Union (EU), also have political functions, while others, such as the North American Free Trade Agreement (NAFTA), are concerned solely with the buying and selling of goods.



NORTH AMERICAN FREE TRADE AGREEMENT

The North American Free Trade Agreement (NAFTA) was created in 1994 and is an agreement between the U.S., Mexico (pictured), and Canada that removes many barriers to trade and investment between these countries. It is the largest free trade zone in the world, and there are plans to extend it to other countries on the American continent.

OIL TRADE

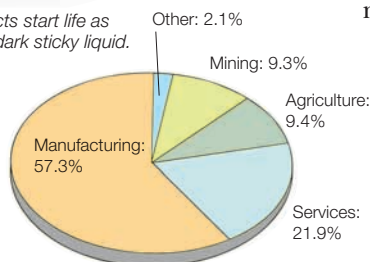
Without oil, the world would grind to a halt. Industry and transportation would stop. This is why oil is the most important product traded in the world today. Oil is produced and exported by a few countries, mostly in the Middle East, north and west Africa, and Central and South America. Because oil is not a renewable source of energy, and its use causes a lot of pollution, alternative sources of energy are being developed.



All oil products start life as crude oil, a dark sticky liquid.

WHAT IS TRADED

World trade is dominated by manufactured goods, which include cars, televisions, and computers. Most of these products are made by rich countries. Poorer countries generally produce food and raw materials, known as primary products. This means that rich countries are growing richer, because bigger profits are made by exporting expensive manufactured goods than by exporting cheaper primary products.

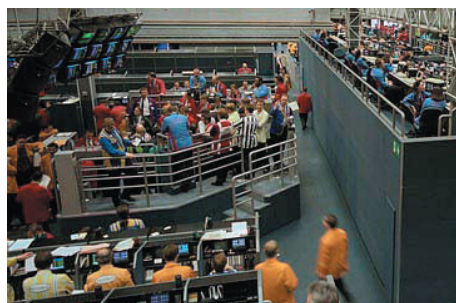


Figures show percentage of types of product traded worldwide



INVISIBLE EXPORTS

In addition to goods, companies may also trade internationally in services. This trade is often referred to as “invisible exports.” These exports cover a wide range of services and can include anything from banking and insurance to tourism and advertising. France (pictured above), for example, is the world’s most popular tourist destination, while the United Kingdom is one of the world’s most important financial centers.



FINANCIAL EXCHANGES

When money, stocks and shares, and other financial assets are traded, this is called a financial market. Stock exchanges are the best known type of financial market – here people buy and sell shares in companies. For example, if you own 500 shares in a firm that has issued 5 million shares, you would own a 1,000th part of the company. Share prices can go up and down. The futures market, such as the London International Financial Futures and Options Exchange (above), is a financial market where dealers speculate on what the price of stocks, shares, and commodities will be in the future.

TRADE DEPENDENCY

Some countries rely almost entirely on one product to sell abroad. For example, many smaller countries in Central America and the Caribbean depend on bananas for a large percentage of their income. This dependency on one product can leave a country at the mercy of events beyond its control. If the price of a commodity rises around the world, the country will benefit, but if the price drops, or a natural disaster such as a hurricane destroys the harvest, the country can be plunged into economic hardship.



Workers sort and pack bananas ready for distribution.

CHILD LABOR

In many countries in the developing world, children are forced to work, often for very little money. It is estimated that in some countries up to 20 percent of children who are forced to work are under the age of 10. In Pakistan, for example, it is estimated that there are over 11 million children working in the country’s factories, including 1 million working in the carpet weaving industry, such as these boys in Lahore, Punjab. Children are usually employed because factory owners do not have to pay them much money and sometimes because their fingers are more dextrous than those of an adult.



Child labor is still very common in the economies of many poorer countries.

GLOSSARY

Aboriginals: the earliest known original inhabitants of a country; most often used to refer to the native peoples of Australia.

Acid rain: rain that has been polluted by gases from factories and traffic; when the rain falls it can damage crops, forests, and lakes.

Apartheid: the policy, developed in South Africa, of separating people according to their race.

Archipelago: a large group of islands

Arid: dry; with little rainfall.

Barren: lacking in vegetation; not able to produce fruit or crops.

Bauxite: the mineral ore from which aluminum is obtained.

By-product: a substance produced as a result of making something else.

Capitalism: an economic system based on private ownership of property, and on free and competitive conditions for business.

Cash crops: crops that are grown specifically to be sold for a profit.

Cattle ranch: a large farm where cattle are reared.

Civil war: a war between rival groups that live in the same country or region.

Collective farm: a farm owned and run by a group of people working together.

Colonize: to send a group of people to settle in another land and establish a colony.

Colony: a region or country that is controlled by another country; a group of people settled in a land outside their homeland, but still ruled by its laws.

Commercial farming: raising crops or animals for sale and profit.

Communism: an economic and political system in which farms and factories and the goods they produce are owned by the state.

Consumer goods: goods such as cars, computers, and televisions, purchased by people for personal use.

Cooperative farm: see Collective farm

Crude oil: petroleum in its natural state, before it has been treated in any way.

Culture: the values, beliefs, and way of life of the people of a country or region.

Deforestation: the large-scale clearing of healthy trees, often to make room for cash crops or for cattle ranching.

Delta: the flat area (often triangular in shape) formed by material deposited at the mouth of some rivers where they enter the sea or a large lake; deltas usually have highly fertile soil.

Democracy: a form of government based on the rule of the people, usually through representatives who have been voted into office by the people.

Dependency: a land run by another, usually more powerful, country.

Deposit: a natural grouping of minerals, such as oil or coal, within the Earth.

Dictatorship: a system of government where the ruler, or dictator, has absolute power.

Economy: the system by which a society manages its resources and makes and distributes goods and services.

Emigrant: a person who leaves his or her native country to settle in another.

Empire: a country and the conquered lands that it rules.

Environment: the natural world around us.

Ethnic group: a group of people sharing a common racial, religious, or cultural background.

Ethnic mix: the mix of ethnic groups in a country or region.

Export earnings: the money a country earns from selling goods or services to other countries.

Exports: goods or services sold to another country.

Extended family: a family that may include grandparents and other relatives as well as their children.

Favela: name used in Brazil for a shantytown.

Fertility, or birthrate: the average number of children born to a woman of childbearing age.

Fundamentalism: the belief that all the teachings of a particular religion must be strictly obeyed.

Guerilla: a member of a small military group fighting a stronger, official army, usually through surprise attacks.

Gulf: a large area of sea partly enclosed by land, such as the Persian Gulf or the Gulf of Mexico.

Hardwood: wood from broad-leaved trees, such as beech, oak, and mahogany.

Health care: medical services that diagnose and treat illness and provide care for pregnant women, the elderly, and disabled.

High-tech industries: industries that use or make the most recently invented and technologically advanced products, such as computers.

Hunter-gatherers: people who feed themselves by hunting wild animals and gathering fruits, nuts, and berries.

Hydroelectric power: electricity created by capturing the power of running water.

Immigrant: a person who has come from another country to settle.

Imports: goods or services bought from another country.

Indigenous people: the first, or native, people of an area or country.

Industry: economic activity that is concerned with manufacturing goods or processing raw materials.

Investment: the provision of resources, usually money, for a business venture, with the goal of later making a profit from it.

Irrigation: supplying dry land with water through a system of canals or pipes so that crops will grow.

Landlocked: surrounded by land; with no access to the sea.

Latin America: those parts of the American continent where the official language is Spanish or Portuguese; often used to mean Mexico and Central and South America.

Life expectancy: the average number of years a person can expect to live.

Literacy rate: the percentage of people over the age of 15 who can read and write a simple sentence.

Manufactured goods: products made from raw materials using machines, or made by hand.

Mestizo: a person of mixed race, with one parent European and the other native Indian.

Migrant: a person moving from one place or country to settle in another.

Mineral: a natural substance found in rocks of the Earth, such as a metal; removed by mining.

Missionary: a person who goes abroad trying to convert others to his or her particular religion.

Monarchy: a country ruled by a king or queen who has usually inherited the position rather than been elected by the people.

Monsoon: a wind that changes direction with the change of seasons; it causes a rainy season from April to October in Southeast Asia.

Multicultural: a group of people or a society made up of various different ethnic groups.

Native peoples: the people who belong by birth or origin to a place.

Natural resources: materials that occur naturally in an area, such as wood, coal, oil, or gas.

Nomads: people who move from place to place in search of food, water, and land to graze their animals.

Northern hemisphere: the half of the Earth that lies north of the equator.

Oasis: a fertile place in the desert, where water lies near or on the surface.

Ore: a mineral or rock from which a valuable metal, such as iron, gold, or copper, can be mined or extracted.

Overfarming: exhausting the soil by growing too many crops.

Overgrazing: exhausting the land by not moving animals around to graze in different places.

Overpopulation: when population growth exceeds economic growth and results in food shortages and lack of housing.

Paddy field: a flooded field where rice is grown.

Peninsula: a strip of land surrounded on three sides by water.

Petrochemicals: chemicals obtained from natural gas or oil.

Phosphate: a chemical compound used in fertilizers and detergents.

Pilgrim: a person who goes on a journey, or pilgrimage, to a sacred place.

Plantation: a large farm using hired workers to grow and harvest one main crop, such as coffee, sugarcane, rubber, or cotton.

Plateau: a high, flat area of land.

Population density: the number of people living in a given area of land.

Racism: the belief that one's own racial group is superior to others.

Raw materials: the basic materials, such as minerals or wood, used to make a product.

Refined oil: oil that has been treated to remove water and other impurities to separate out fuels such as gasoline and diesel.

Refugee: a person who has fled to another country in search of safety because of war, or political or religious oppression.

Regime: a particular government, or system of government.

Republic: a country ruled by elected representatives of its people, with an elected president rather than a king or queen.

Reserves: the amount of a resource, such as copper, known to exist, and not yet used.

Revolution: the overthrow of a government.

Ring of Fire: the zone around the Pacific Ocean where there are many volcanoes and frequent earthquakes.

Rural: relating to the countryside.

Sahel, the: zone of semidesert and dry grassland to the south of the Sahara in Africa.

Sanctions: penalties imposed by one or more countries on another to persuade that country to follow a certain course of action.

Savanna: open grassland in a tropical or subtropical region.

Shantytown: an area in or around a city where people live in temporary shacks, often without basic services such as running water.

Silt: very small particles deposited by a river or lake.

Slash-and-burn agriculture: a method of clearing land to create fields, by cutting down trees or bushes and then burning away any remaining roots.

Social services: welfare services provided by a state or local authority.

Socialism: a system of society in which goods are owned collectively and the whole community exercises political power.

Softwood: wood from cone-bearing trees, such as pine or cedar.

Soil erosion: the natural wearing away of the soil by wind or rain.

Southern hemisphere: the half of the Earth that lies south of the equator.

Standard of living: the quality of life in a country,

usually measured by income, possessions, and levels of health care and education.

Staple crop or food: a crop that provides the main food of a region, such as rice, potatoes, or wheat.

Steppe: vast grass-covered plains, that stretch from eastern Europe across central Asia.

Stock exchange: an international market for buying and selling the stocks or shares of a public company.

Subsistence farming: raising just enough crops or animals to feed the farmer's family.

Technology: the development of methods, materials, and tools used in doing work.

Terrorist: a person who uses violence to win demands or influence the policies of a government.

Third world: the poorer, less-developed parts of the world in Asia, Africa, and Central and South America.

Urban: relating to a town or city.

Vegetation: the plant life of a region.

Welfare system: the way a government organizes assistance to its people, particularly the young, the elderly, the sick, and the unemployed.

West, the: the Western, industrially advanced countries of the world, specifically North America and western Europe.

Workforce: all the people available to work in a country; all the workers employed by a particular factory or place of work.

GAZETTEER

HOW TO USE THE GAZETTEER

This gazetteer helps you find places on the maps. For identification most places are followed by a brief description. Town has been used to describe all communities from villages to cities. For example, to find the city of Paris in France, look up its name in the gazetteer. The entry reads:

Paris *Town* France 97 F3

The first number, 97, tells you that Paris appears on the map on page 97. The second number, F3, shows that it is in square F3 of the grid printed over the map. Turn to page 97. Trace down from the letter F along the top of the grid and then across from the number 3 along the side of the grid. You will find Paris in the square where the letter and the number meet.

A

Aachen *Town* Germany 95 D7
Aalborg *Town* Denmark 82 E10
Abadan *Town* Iran 153 F6
Abeokuta *Town* Nigeria 221 K12
Aberdeen *Town* UK 87 J5
Abha *Town* Saudi Arabia 153 C10
Abidjan *Town* Ivory Coast 21 H12
Abilene *Town* Texas, USA 35 H10
Abu Dhabi *Town* United Arab Emirates 153 H9
Abuja *Town* Nigeria 221 M11
Acapulco *Town* Mexico 39 G9
Accra *Town* Ghana 221 I12
Aconcagua, Mt. *Argentina* 41 F11, 71 F7
Ad Dammam *Town* Saudi Arabia 153 F8
Adamaoua, Massif d' *Region* Cameroon 205 E7
Adana *Town* Turkey 145 F8
Adapazari *Town* Turkey 145 C5
Addis Ababa *Town* Ethiopia 215 G9
Adelaide *Town* South Australia, Australia 259 I11
Aden *Town* Yemen 153 C12, 203 D3
Aden, Gulf of 10 F8, 132 C13, 203 D3, 215 J8
Adriatic Sea S. Europe 78 G11, 103 G6
Aegean Sea 78 H12, 131 H6
Afghanistan *Country* Central Asia 18 G6, 161 F9
Africa *Continent* 10 C7, 205
Agadir *Town* Morocco 208 F4
Agalega Islands *Indian Ocean* 10 F10, 18 F10
Agra *Town* India 167 F5
Aguascalientes *Town* Mexico 39 F7
Ahaggar Mts. *Algeria* 205 E4, 209 L8

Ahmadabad *Town* India 167 D6
Ahvaz *Town* Iran 153 F5
Ajaccio *Town* Corsica 97 L10
Akosombo Dam *Ghana* 221 J12
Akron *Town* Ohio, USA 37 F5
Al 'Amarah *Town* Iraq 153 F5
Al Hufuf *Town* Saudi Arabia 153 F8
Al Ladhqiyyah *Town* Syria 147 F3
Al Mukha *Town* Yemen 153 C12
Al' Aziziyah *Town* Libya 205 F2, 209 O4
Al-Hillah *Town* Iraq 153 E5
Alabama State USA 37 D10
Åland *Island group* Finland 82 I8
Alaska State USA 19 Q3, 33 C2, 267 E2
Alaska, Gulf of USA 11 Q4, 20 E6, 265 G2
Alaska Range *Mountain range* Alaska, USA 20 D4, 33 C2
Albania *Country* S.E. Europe 124 I10, 18 D5
Albany *Town* New York, USA 37 I5
Albany *Town* Western Australia, Australia 258 D11
Albert Canal *Belgium* 91 H9
Albert, Lake *Uganda/Congo, Dem. Rep.* 205 I8, 239 F4
Alberta *Province* Canada 27 E12
Albuquerque *Town* New Mexico, USA 35 E9
Aldabra Islands *Indian Ocean* 203 D6, 205 K10
Ålesund *Town* Norway 82 E7
Aleutian Islands *Alaska, USA* 11 O4, 20 B7, 33 B3, 265 E2
Alexandria *Town* Egypt 215 D1
Algeciras *Town* Spain 100 D9
Algeria *Country* N.W. Africa 18 B6, 209 J6
Algiers *Town* Algeria 209 K2
Aliákmonas *River* Greece 131 D3
Alicante *Town* Spain 100 I6
Alice Springs *Town* Northern Territory, Australia 259 H7
Allahabad *Town* India 167 G6
Allentown *Town* Pennsylvania, USA 37 H5
Alps *Mountain range* C. Europe 10 C5, 78 E11, 97 I7, 103 B3, 106 D8
Altai Mts. N. Asia 10 I5, 133 H7, 175 F5
Altiplano *Region* Bolivia 41 G9
Altun Mts. *China* 133 H9, 174 D9
Amarapura *Town* Burma 189 C4
Amarillo *Town* Texas, USA 35 G9
Amazon River *Brazil/Peru* 11 W9, 41 G6, 59 E5, 67 C4, G3
Amazon Basin *Region* S. America 11 W9, 41 G6, 59 E5, 67 E4
Ambato *Town* Ecuador 59 C5
Ambon *Town* Moluccas, Indonesia 197 O10
American Samoa *Dependent territory* Polynesia, Pacific Ocean 11 O10, 19 P10, 265 F6
Amherst *Town* Burma 189 D8
Amicantae Islands *Indian Ocean* 203 E5
Amiens *Town* France 97 F2
Amman *Town* Jordan 147 F8
Amritsar *Town* India 167 E3
Amsterdam *Town* Netherlands 91 H6
Amsterdam Island *Indian Ocean* 18 H12, 203 G9
Amu Darya *River* Central Asia 132 E9, 161 F8
Amundsen Sea *Pacific Ocean* 269 B7

Amundsen-Scott *Research station* Antarctica 269 F5
Amur River *China/Russian Federation* 10 L4, 133 M7, 139 R10, 175 N2, Q3
An Nasiriyah *Town* Iraq 153 E5
An-Najaf *Town* Iraq 153 E5
Anchorage *Town* Alaska, USA 33 D2
Andalusia *Region* Spain 100 F8
Andaman Islands *Indian Ocean* 10 H8, 18 I8, 133 I13, 203 H3
Andaman Sea 189 C9, 203 I3
Andes *Mountain range* S. America 11 V9, W11, 41 E7, 59 D3, D9, 71 F6, G13
Andijon *Town* Uzbekistan 161 H7
Andorra *Country* Europe 18 B5, 97 F10, 100 J2
Andorra la Vella *Town* Andorra 97 F10
Angel Falls *Waterfall* Venezuela 41 G4, 59 H3
Angkor Wat *Ancient site* Cambodia 189 G9
Anglesey *Island* UK 87 H9
Angola *Country* Southern Africa 18 D10, 247 D3
Angola Basin *Atlantic Ocean* 77 I9
Ankara *Town* Turkey 145 E6
Annaba *Town* Algeria 209 M2
Annapolis *Town* Maryland, USA 37 H6
Ann Arbor *Town* Michigan, USA 37 E5
Anshan *Town* China 175 O7
Antakya *Town* Turkey 145 G9
Antalya *Town* Turkey 145 D8
Antananarivo *Town* Madagascar 203 D7
Antarctic Peninsula *Antarctic* 269 B4
Antarctica *Continent* 265 I11, 269
Antigua and Barbuda *Country* West Indies 19 W7, 45 V11
Antipodes Islands *New Zealand, Pacific Ocean* 11 O13, 19 O13, 255 K16, 265 E9
Antofagasta *Town* Chile 41 E4
Antwerp *Town* Belgium 91 G9
Anvers Island *Pacific Ocean* 269 A3
Apeldoorn *Town* Netherlands 91 J6
Apennines *Mountain range* Italy 78 F11, 103 F6
Appalachian Mts. USA 11 V6, 21 M10, 37 G7
Apure *River* Venezuela 59 F2
Aqaba, Gulf of S.W. Asia 147 E11, 215 F2
Ar-Ramadi *Town* Iraq 153 E4
Arabian Peninsula S.W. Asia 10 E7
Arabian Sea 10 G7, 132 E12, 153 G12, 203 F3
Arad *Town* Romania 127 D6
Arafura Sea S.E. Asia 10 L9, 133 M16, 197 Q10, 265 B6
Arak *Town* Iran 153 G5
Aral Sea *Lake* Kazakhstan/Uzbekistan 10 G5, 132 E8, 161 D5, 258 E8
Ararat, Mt. *Turkey* 145 K6
Arauca River *Colombia/Venezuela* 59 E2
Arctic Bay *Town* Northwest Territories, Canada 27 H5
Arctic Circle 11 Z2
Arctic Ocean 10 K1, 267 F4
Ardabil *Town* Iran 153 G3
Ardennes *Region* Belgium 91 I11
Arequipa *Town* Peru 59 E10
Argentina *Country* S. America 19 W12, 71 G8

Argentine Basin *Atlantic Ocean* 77 F11
Århus *Town* Denmark 82 E11
Arica *Town* Chile 71 E2
Arizona State USA 33 K11
Arkansas State USA 35 K9
Arkhangel'sk *Town* Russian Federation 138 F4
Arlon *Town* Belgium 91 J12
Armenia *Country* S.W. Asia 18 E5, 121 P14
Armenia *Town* Colombia 59 D3
Arnhem *Town* Netherlands 91 J7
Arnhem Land *Region* Northern Territory, Australia 254 D8, 259 G4
Arno River *Italy* 103 D6
Ar Rub 'al Khali (Empty Quarter) *Desert region* Saudi Arabia 10 F7, 132 C12, 153 E10
As Sulaymaniyah *Town* Iraq 153 E4
Ascension Island *Dependent territory* Atlantic Ocean 10 A9, 18 A9, 77 H8
Ashgabat *Town* Turkmenistan 161 D7
Ashmore and Cartier Islands *Indian Ocean* 18 K10, 203 K6
Asia *Continent* 10 I4, 132
Asmera *Town* Eritrea 215 G7
Assad, Lake *Syria* 147 H3
Assen *Town* Netherlands 91 K4
Astana *Town* Kazakhstan 161 G3
Astrakhan *Town* Russian Federation 138 B8
Asunción *Town* Paraguay 71 J4
Aswân *Town* Egypt 215 E4
Aswân High Dam *Egypt* 215 E4
Asyût *Town* Egypt 215 D2
Atacama Desert *Chile* 11 V11, 41 F10, 71 F4
Athabasca, Lake *Alberta* /Saskatchewan, Canada 21 J6, 27 F11
Athens *Town* Greece 131 F7
Atlanta *Town* Georgia, USA 37 E9
Atlantic Ocean 10 B10, 11 X5, 77
Atlantic-Indian Ridge 77 J12
Atlas Mts. *Mountain range* Morocco 10 B6, 205 D2, 208 H4
Auckland *Town* New Zealand 262 F3
Auckland Islands *New Zealand, Pacific Ocean* 11 N13, 19 N13, 255 I16, 265 D9
Augsburg *Town* Germany 95 H10
Augusta *Town* Maine 37 K4
Austin *Town* Texas, USA 35 I12
Australasia and Oceania 254-255
Australes, Îles *French Polynesia, Pacific Ocean* 11 Q11, 255 P10
Australia *Country and continent* 10 K10, 18 K11, 259 G8
Australian Capital Territory *Territory* Australia 259 L11
Austria *Country* Europe 18 C5, 106 J6
Ayacucho *Town* Peru 59 D9
Ayers Rock *see* Uluru
Ayutthaya *Town* Thailand 189 E9
Az Zarqa' *Town* Jordan 147 F7
Azerbaijan *Country* S.W. Asia 18 F5, 121 P15
Azores *Island group* Atlantic Ocean 11 Z5, 19 Y5, 77 G4
Azov, Sea of *Russian Federation/Ukraine* 78 J10, 121 J9, 138 A7

- B**
- Babruysk** *Town* Belarus 111 J10
Babylon *Ancient site* Iraq 153 E4
Bacau *Town* Romania 127 I6
Bacolod *Town* Philippines 196 L4
Badgastein *Town* Austria 106 H7
Baden *Town* Austria 106 K5
Badlands *Region* North/South Dakota, USA 35 F3
Baffin Bay Canada/Greenland 11 W2, 21 O3, 27 I4, 267 C7
Baffin Island Northwest Territories, Canada 11 V2, 21 N4, 27 J6, 267 B7
Bafoussam *Town* Cameroon 232 D8
Baghdad *Town* Iraq 153 E4
Baguio *Town* Philippines 196 K2
Bahamas *Country* West Indies 11 V7, 19 V7, 45 M5
Bahía Blanca *Town* Argentina 71 I9
Bahrain *Country* S.W. Asia 18 F7, 153 F8
Baia Mare *Town* Romania 127 F4
Baikal, Lake Russian Federation 10 J4, 133 J6, 139 M10
Baja California *Peninsula* Mexico 39 B3
Baker Island *Dependent territory* Pacific Ocean 19 P9, 255 L6, 265 E5
Bakersfield *Town* California, USA 33 H11
Bakhtaran *Town* Iran 153 F4
Baku *Town* Azerbaijan 121 T13
Balaton, Lake Hungary 115 G11
Balearic Islands Spain 78 E12, 100 J5
Bali Island Indonesia 196 I12
Balikesir *Town* Turkey 145 B6
Balikpapan *Town* Borneo, Indonesia 196 J9
Balkan Mts. S.E. Europe 78 H11, 124 K7, 127 F11
Balkhash, Lake Kazakhstan 10 HS, 133 G8, 161 I5
Ballarat *Town* Victoria, Australia 259 J12
Baltic Sea N. Europe 10 D4, 78 G8, 82 I10, 111 E5
Baltimore *Town* Maryland, USA 37 H6
Bamako *Town* Mali 221 F9
Banda Sea S.E. Asia 133 M15, 196 M10
Bandar Seri Begawan *Town* Brunei 196 I7
Bandar-e 'Abbas *Town* Iran 153 H8
Bandar-e-Bushehr *Town* Iran 153 G7
Bandundu *Town* Congo, Dem. Rep. 232 G11
Bandung *Town* Java, Indonesia 196 F12
Bangalore *Town* India 187 E11
Bangkok *Town* Thailand 189 E9
Bangladesh *Country* S. Asia 18 H7, 167 J6
Bangui *Town* Central African Republic 232 G9
Banja Luka *Town* Bosnia and Herzegovina 124 F4
Banjarmasin *Town* Borneo, Indonesia 196 I10
Banjul *Town* Gambia 220 B8
Banks Island Northwest Territories, Canada 11 S2, 21 H3, 29 E5, 267 C4
Baotou *Town* China 178 K8
Baranavichy *Town* Belarus 109 H10
Barbados *Country* Caribbean Sea 19 W8, 45 W14
Barbuda *Island* Antigua and Barbuda 45 V11
Barcelona *Town* Spain 100 K3
Barcelona *Town* Venezuela 59 G1
Bareilly *Town* India 167 G4
Barents Sea Arctic Ocean 10 E2, 78 K4, 138 G3, 267 H7
Bari *Town* Italy 103 J9
Barinas *Town* Venezuela 59 F2
Barisan Mts. Sumatra, Indonesia 196 C10
Barnaul *Town* Russian Federation 139 I10
Barquisemeto *Town* Venezuela 59 F1
Barranquilla *Town* Colombia 59 D1
Barysaw *Town* Belarus 111 J9
Basque Provinces Spain 100 F2
Basra *Town* Iraq 153 F6
Bassein *Town* Burma 189 B7
Basseterre *Town* St. Kitts and Nevis 45 U11
Batangas *Town* Philippines 196 K3
Batdambang *Town* Cambodia 189 G10
Baton Rouge *Town* Louisiana, USA 35 K11
Bavarian Alps *Mountain range* Austria/Germany 95 I11
Bayamo *Town* Cuba 45 L7
Baykonur *Space center* Kazakhstan 161 F5
Beagle Channel Argentina 71 I16
Bear Island *Island group* Russian Federation 139 Q3
Beaufort Sea Arctic Ocean 11 Q2, 20 F4, 27 C6, 33 C1, 267 D3
Beaumont *Town* Texas, USA 35 J12
Beersheba *Town* Israel 147 E8
Beijing *Town* China 175 M8
Beira *Town* Mozambique 247 J6
Beirut *Town* Lebanon 147 F5
Bejaia *Town* Algeria 209 L2
Belarus *Country* E. Europe 18 D4, 111 I10
Belém *Town* Brazil 67 H3
Belfast *Town* UK 87 G7
Belgium *Country* Europe 18 C4, 91 G10
Belgrade *Town* Serbia 124 I4
Belize *Country* Central America 19 U7, 44 D8
Belle Île *Island* France 97 B5
Bellevue *Town* Washington, USA 33 G4
Bellinghausen Sea Pacific Ocean 269 B5
Bello *Town* Colombia 59 D2
Belmopan *Town* Belize 44 D8
Belo Horizonte *Town* Brazil 67 I9
Ben Nevis *Mountain* UK 87 H5
Bengal, Bay of India 10 H7, 133 H12, 167 H9, 203 H3
Benghazi *Town* Libya 209 R4
Benidorm *Town* Spain 100 I6
Benin *Country* W. Africa 18 C8, 221 K10
Berbera *Town* Somalia 215 I8
Berberati *Town* Central African Republic 232 F9
Bergen *Town* Norway 82 D8
Bergen op Zoom *Town* Netherlands 91 G8
Bering Sea Pacific Ocean 11 O3, 20 B6, 33 A3, 139 T3, 265 E2
Bering Strait Arctic Ocean/Pacific Ocean 11 P3, 20 C5, 33 B2, 265 F1
Berlin *Town* Germany 95 J5
Bermuda *Dependent territory* Atlantic Ocean 11 W6, 19 W6
Bern *Town* Switzerland 106 C8
Bethlehem *Town* West Bank 147 E8
Bhopal *Town* India 167 F6
Bhutan *Country* S. Asia 18 I6, 167 J5
Białystok *Town* Poland 115 K3
Bielefeld *Town* Germany 95 F5
Bien Hoa *Town* Vietnam 189 I11
Bihac *Town* Bosnia and Herzegovina 124 E4
Bikini Island Marshall Islands, Pacific Ocean 265 D5
Bila Tserkva *Town* Ukraine 120 F5
Bilbao *Town* Spain 100 G1
Birmingham *Town* Alabama, USA 37 D9
Birmingham *Town* UK 87 J10
Biscay, Bay of 10 B5, 78 D11, 100 G1
Bishkek *Town* Kyrgyzstan 161 I6
Bismarck *Town* North Dakota, USA 35 H3
Bismarck Archipelago *Island group* Papua New Guinea 10 L9, 254 G6, 259 L1
Bissau *Town* Guinea-Bissau 220 B9
Bitola *Town* Macedonia 124 J9
Biwa, Lake Japan 185 F9
Black Forest *Region* Germany 78 F10, 95 E10
Black Hills South Dakota, USA 35 G4
Black Rock Desert Nevada, USA 33 H8
Black Sea Asia/Europe 10 E5, 78 J11, 127 L10, 132 B8, 138 A7
Black Volta *River* W. Africa 205 C6, 221 H10
Blackpool *Town* UK 87 I8
Blantyre *Town* Malawi 239 H14
Blenheim *Town* New Zealand 262 E7
Bliida *Town* Algeria 209 K2
Bloemfontein *Town* South Africa 247 G10
Blue Mts. Oregon/Washington, USA 33 H6
Blue Nile *River* E. Africa 205 I5, 215 E7
Bobo Dioulasso *Town* Burkina 221 G10
Bogor *Town* Java, Indonesia 196 F12
Bogota *Town* Colombia 59 D3
Bohemia *Region* Czech Republic 115 C8
Bohemian Forest *Region* Germany 95 J9
Boise *Town* Idaho, USA 33 H6
Bolivia *Country* S. America 19 W10, 59 G10
Bologna *Town* Italy 103 E5
Bombay *see* Mumbai
Bonin Islands Pacific Ocean 10 L6
Bonn *Town* Germany 95 E7
Borås *Town* Sweden 82 F10
Bordeaux *Town* France 97 D8
Borneo Island S.E. Asia 10 J9, 133 K14, 196 I8
Bornholm *Island* Denmark 78 G8, 82 G12
Borobudur *Ancient site* Java, Indonesia 196 G12
Bosnia and Herzegovina *Country* S.E. Europe 18 D5, 124 F4
Bosporus Channel Turkey 145 C5
Boston *Town* Massachusetts, USA 37 J5
Bothnia, Gulf of Finland/Sweden 78 H6, 82 I6
Botosani *Town* Romania 127 I4
Botrange *Mountain* Belgium 91 J10
Botswana *Country* Southern Africa 18 D11, 247 F7
Bounty Islands New Zealand, Pacific Ocean 11 O13, 19 N13, 255 L15, 265 E9
Bourke *Town* New South Wales, Australia 254 G12
Bournemouth *Town* UK 87 J12
Bouvet Island *Dependent territory* Atlantic Ocean 77 I12
Boyoma Falls *Waterfall* Congo, Dem. Rep. 205 H8, 232 J10
Bradford *Town* UK 87 J8
Brahmaputra (Yarlung Zangbo) *River* India/China 133 H10, 167 K5, 174 C11
Braila *Town* Romania 127 K7
Brasília *Town* Brazil 67 H8
Brasov *Town* Romania 127 H7
Bratislava *Town* Slovakia 115 F10
Braunschweig *Town* Germany 95 H5
Bravo del Norte *River* Mexico 39 E2
Brazil *Country* S. America 19 W9, 67 F5
Brazil Basin Atlantic Ocean 77 G8
Brazilian Highlands *Mountain range* Brazil 41 J9, 67 I8
Brazzaville *Town* Congo 232 F12
Breda *Town* Netherlands 91 H8
Bremen *Town* Germany 95 F4
Brest *Town* Belarus 111 F11
Bridgeport *Town* Connecticut, USA 37 I5
Bridgetown *Town* Barbados 45 W14
Brighton *Town* UK 87 K12
Brindisi *Town* Italy 103 K9
Brisbane *Town* Queensland, Australia 259 M8, 265 C7
Bristol *Town* UK 87 I11
British Columbia *Province* Canada 27 B12
British Indian Ocean Territory *Dependent territory* Indian Ocean 18 H9, 203 G5
British Isles *Country* Europe 10 B4, 78 C8, 87
British Virgin Islands *Dependent Territory* Caribbean Sea 45 T10
Brittany *Region* France 97 B4
Brno *Town* Czech Republic 115 F8
Broken Hill *Town* New South Wales, Australia 259 J10
Broken Ridge Indian Ocean 203 I9
Brooks Range *Mountain range* Alaska, USA 20 D4, 33 C1
Broom *Town* Western Australia, Australia 258 D6
Bruges *Town* Belgium 91 F9
Brunei *Country* Borneo, S.E. Asia 18 J8, 196 H7
Brussels *Town* Belgium 91 G9
Bucaramanga *Town* Colombia 59 D2
Bucharest *Town* Romania 127 I9
Budapest *Town* Hungary 115 H10
Buenaventura *Town* Colombia 59 C3
Buenos Aires *Town* Argentina 71 J8, 77 E10
Buenos Aires, Lake (Lake General Carrera) Argentina/Chile 41 F15, 71 G13
Buffalo *Town* New York, USA 37 G4
Bujumbura *Town* Burundi 239 E7
Bukavu *Town* Congo, Dem. Rep. 232 K11
Bukhara *Town* Uzbekistan 161 F7
Bulawayo *Town* Zimbabwe 247 H7
Bulgaria *Country* E. Europe 18 D5, 127 H11
Buon Ma Thuot *Town* Vietnam 189 I10
Buraydah *Town* Saudi Arabia 153 D7
Burgas *Town* Bulgaria 127 J11
Burgundy *Region* France 97 H5
Burkina Faso *Country* W. Africa 18 B8, 221 I9
Bursa *Town* Turkey 145 C6
Burundi *Country* Africa 18 E9, 239 E7
Butuan *Town* Philippines 196 M5
Buzau *Town* Romania 127 I8
Bydgoszcz *Town* Poland 115 G3
- C**
- Cabanatuan** *Town* Philippines 196 K2
Cabimas *Town* Venezuela 59 E1
Cabinda *Region* Angola 18 C9, 232 E12, 247 B1
Cabo da Roca *Cape* Portugal 78 C11, 100 A6
Cabot Strait Canada 29 J5
Cacak *Town* Serbia 124 I5
Cádiz *Town* Philippines 196 L4
Cádiz *Town* Spain 100 D8
Caen *Town* France 97 D3
Caernarfon *Town* UK 87 H9

- Cagayan de Oro** *Town* Philippines 196 M5
- Cagliari** *Town* Sardinia 103 C11
- Cairns** *Town* Queensland, Australia 259 K5
- Cairo** *Town* Egypt 215 D1
- Calabria** *Region* Italy 103 I12
- Calais** *Town* France 97 F1
- Calama** *Town* Chile 71 F4
- Calbayog** *Town* Philippines 196 M4
- Calcutta** *see* *Kolkata*
- Calgary** *Town* Alberta, Canada 27 E13
- Cali** *Town* Colombia 59 C3
- California** *State* USA 33 H10
- Callao** *Town* Peru 59 C8
- Camaguey** *Town* Cuba 45 L6
- Cambodia** *Country* S.E. Asia 18 I8, 189 H10
- Cambrian Mts.** UK 87 H10
- Cambridge** *Town* UK 87 K10
- Cameron Highlands** *Mountain range* Malaysia 189 E14
- Cameroun** *Country* Central Africa 18 C8, 232 D8
- Cameroun, Mt.** *Volcano* Cameroon 232 D9
- Campbell Island** New Zealand, Pacific Ocean 19 N13, 265 E9
- Campeche** *Town* Mexico 39 K8
- Campinas** *Town* Brazil 67 H10
- Can Tho** *Town* Vietnam 189 H11
- Canada** *Country* N. America 19 S3, 26–27, 28–29
- Canary Basin** Atlantic Ocean 77 G6
- Canary Islands** Atlantic Ocean 10 A6, 18 A6, 77 H5, 205 A3
- Canberra** *Town* Australian Capital Territory, Australia 254 G13, 259 L11, 265 C8
- Cancún** *Town* Mexico 39 L7
- Cannes** *Town* France 97 J9
- Canterbury** *Town* UK 87 L11
- Canton** *Town* China 175 N14
- Cape Basin** Atlantic Ocean 77 I10
- Cape Canaveral** *Peninsula* Florida, USA 37 G12
- Cape Cod** *Peninsula* Massachusetts, USA 21 N9, 37 K5
- Cape Horn** *Peninsula* Chile 11 off W13, 41 off G16, 71 I16, 77 D12
- Cape of Good Hope** *Peninsula* South Africa 10 D12, 77 J10, 203 B9, 205 G14, 247 E12
- Cape Town** *Town* South Africa 203 B9, 247 E11
- Cape Verde** *Peninsula* Senegal 205 A5, 220 A8
- Cape Verde Islands** Atlantic Ocean 10 A7, 18 A7, 77 G6, 205 A5
- Cape York** *Peninsula* Queensland, Australia 254 F9, 259 J4
- Cappadocia** *Region* Turkey 145 G7
- Capri** *Island* Italy 103 G9
- Caracas** *Town* Venezuela 59 G1
- Cardiff** *Town* UK 87 I11
- Caribbean Sea** 11 V8, 41 F2, 44 J10, 77 C6
- Caroline Islands** Federated States of Micronesia, Pacific Ocean 10 L8, 254 G5
- Carpathians** *Mountain range* Central Europe 10 C4, 78 H10, 115 I8, 120 B6, 127 F10, H8
- Carpentaria, Gulf of** Northern Territory/Queensland, Australia 254 E8, 259 I5
- Carson City** *Town* Nevada, USA 33 H9
- Cartagena** *Town* Colombia 59 D1
- Cartagena** *Town* Spain 100 H7
- Casablanca** *Town* Morocco 208 G3
- Cascade Range** *Mountain range* USA 21 H7, 33 G6
- Caspian Sea** *Lake* Central Asia 10 F5, 78 M11, 132 D8, 138 B9, 161 B6
- Castries** *Town* St. Lucia 45 V14
- Catalonia** *Region* Spain 100 J3
- Catania** *Town* Sicily 103 H13
- Caucasus** *Mountain range* Europe/Asia 10 E5, 78 L11, 121 O12, 132 C8
- Cayenne** *Town* French Guiana 59 L3
- Cayman Islands** *Dependent territory* Caribbean Sea 44 I7
- Cebu** *Town* Philippines 196 M4
- Cedar Rapids** *Town* Iowa, USA 35 K5
- Celebes Sea** S.E. Asia 133 L14, 196 K8
- Central African Republic** *Country* Central Africa 18 D8, 232 H8
- Central America** *Region* 11 U7, 41, 44
- Central Siberian Plateau** Russian Federation 10 I2, 133 K3, 139 L6
- Ceuta** *Spanish enclave* Morocco 208 H2
- Cevennes** *Mountain range* France 97 G8
- Chad** *Country* Central Africa 18 D7, 232 G4
- Chad, Lake** Central Africa 205 F5, 221 P9, 232 F5
- Chagos Archipelago** *Island group* Indian Ocean 10 H9
- Chalbi Desert** Kenya 239 J3
- Chandigarh** *Town* India 167 F3
- Changchun** *Town* China 175 O5
- Changsha** *Town* China 175 M12
- Channel Islands** UK 18 B4, 78 D10, 87 I13, 97 C3
- Channel Tunnel** UK/France 87 L11, 97 F1
- Chapala, Lake** Mexico 39 E7
- Charleroi** *Town* Belgium 91 G11
- Charleston** *Town* South Carolina, USA 37 G10
- Charleston** *Town* West Virginia, USA 37 F7
- Charlotte** *Town* North Carolina, USA 37 F8
- Charlottetown** *Town* Prince Edward Island, Canada 29 J6
- Chatham Islands** New Zealand, Pacific Ocean 11 O13, 19 O13, 255 L15, 265 E8
- Chattanooga** *Town* Tennessee, USA 37 E8
- Cheju** *Town* South Korea 175 Q9
- Chelyabinsk** *Town* Russian Federation 138 F8
- Chemnitz** *Town* Germany 95 J7
- Chengdu** *Town* China 175 J11
- Chennai (Madras)** *Town* India 167 F11
- Chenonceaux** *Town* France 97 E5
- Cherbourg** *Town* France 97 C2
- Cherkasy** *Town* Ukraine 120 G6
- Chernihiv** *Town* Ukraine 120 G4
- Chernivtski** *Town* Ukraine 120 C6
- Chernobyl** *Town* Ukraine 120 F4
- Cheyenne** *Town* Wyoming, USA 35 F6
- Chiang Mai** *Town* Thailand 189 E6
- Chicago** *Town* Illinois, USA 37 C5
- Chichén Itzá** *Ancient site* Mexico 39 L7
- Chiclayo** *Town* Peru 59 B7
- Chihuahua** *Town* Mexico 39 E3
- Chile** *Country* S. America 19 V12, 71 F6, F14
- Chilka, Lake** India 167 H8
- Chillán** *Town* Chile 71 F9
- Chimbote** *Town* Peru 59 C7
- China** *Country* E. Asia 18 I6, 175 G8
- Chingola** *Town* Zambia 239 D12
- Chios** *Island* Greece 131 I7
- Chisinau** *Town* Moldova 120 E8
- Chittagong** *Town* India 167 K7
- Chitungwiza** *Town* Zimbabwe 247 I6
- Chon Buri** *Town* Thailand 189 E9
- Ch'ongjin** *Town* North Korea 175 Q6
- Chongqing** *Town* China 175 K12
- Christchurch** *Town* New Zealand 262 E9
- Christmas Island** Indian Ocean 18 J10, 203 J6
- Chugoku Mts.** Japan 185 D10
- Chukchi Sea** Arctic Ocean 11 O2, 20 B4, 139 R1, 267 F1
- Churchill** *Town* Manitoba, Canada 27 I10
- Cincinnati** *Town* Ohio, USA 37 E6
- Citlaltépetl (Orizaba)** *Volcano* Mexico 39 H8
- Ciudad Bolívar** *Town* Venezuela 59 H2
- Ciudad Guayana** *Town* Venezuela 59 H2
- Ciudad Juárez** *Town* Mexico 39 E2
- Clermont-Ferrand** *Town* France 97 G6
- Cleveland** *Town* Ohio, USA 37 F5
- Clipperton Island** *Dependent territory* Pacific Ocean 19 T8, 265 I5
- Cluj-Napoca** *Town* Romania 127 F5
- Coast Mts.** Canada 11 R3, 20 G6
- Coast Ranges** *Mountain range* N. America 11 S5, 21 H9, 33 F8
- Cobán** *Town* Guatemala 44 C8
- Cochabamba** *Town* Bolivia 59 G10
- Cochin** *Town* India 167 E12
- Coco** *River* Honduras/Nicaragua 44 F10
- Cocos Islands** Indian Ocean 10 I10, 18 I10, 203 J6
- Coihaique** *Town* Chile 71 G13
- Coimbatore** *Town* India 167 E11
- Coimbra** *Town* Portugal 100 B4
- Cologne** *Town* Germany 95 E7
- Colombia** *Country* S. America 19 V8, 59 E3
- Colombo** *Town* Sri Lanka 167 F13, 203 H4
- Colón** *Town* Panama 44 H14
- Colorado** *River* Argentina 41 G13, 71 I10
- Colorado** *River* Mexico/USA 21 J9, 33 I12, 35 E6
- Colorado** *State* USA 35 E6
- Colorado Springs** *Town* Colorado, USA 35 F7
- Columbia** *River* Canada/USA 27 D13, 33 G5
- Columbia** *Town* South Carolina, USA 37 F9
- Columbus** *Town* Georgia, USA 37 E10
- Columbus** *Town* Ohio, USA 37 F6
- Como, Lake** Italy 103 C3
- Comodoro Rivadavia** *see* *Rivadavia*
- Comoros** *Town* Indian Ocean 10 E10, 18 E10, 203 D6
- Conakry** *Town* Guinea 220 C10
- Concepción** *Town* Chile 71 F9
- Concord** *Town* California, USA 33 G10
- Concord** *Town* New Hampshire, USA 37 J4
- Congo** *Country* Central Africa 18 C9, 232 F10
- Congo** *River* Central Africa 10 C9, 205 F9, G8, 232 F11, G10
- Congo, Dem. Rep.** *Country* Central Africa 18 D9, 232 H11
- Congo Basin** *Region* Congo/Congo, Dem. Rep. 205 G8
- Connecticut** *State* USA 37 J6
- Constance, Lake** Switzerland/Austria/Germany 95 G12, 106 E7
- Constanta** *Town* Romania 127 K9
- Constantine** *Town* Algeria 209 M2
- Cook Islands** *Dependent territory* Polynesia, Pacific Ocean 11 P10, 19 P10, 255 O9, 265 F6
- Cook Strait** New Zealand 262 F7
- Cook, Mt.** New Zealand 262 C9
- Copenhagen** *Town* Denmark 82 F11
- Copiapó** *Town* Chile 71 F5
- Coral Sea Islands** *Dependent territory* Pacific Ocean 18 M10, 265 C7
- Coral Sea** Pacific Ocean 10 M10, 254 G8, 259 L4, 265 C6
- Córdoba** *Town* Argentina 71 H7
- Córdoba** *Town* Spain 100 E7
- Corfu** *Island* Greece 131 A5
- Corinth** *Town* Greece 131 E8
- Cork** *Town* Ireland 87 E10
- Coromandel** *Town* New Zealand 262 G3
- Coromandel Coast** India 167 G11
- Corpus Christi** *Town* Texas, USA 35 I13
- Corrib, Lough** *Lake* Ireland 87 E8
- Corrientes** *Town* Argentina 71 J5
- Corsica** *Island* France 78 E11, 97 L10
- Costa Blanca** *Coast* Spain 100 I7
- Costa Brava** *Coast* Spain 100 K3
- Costa del Sol** *Coast* Spain 100 F8
- Costa Rica** *Country* Central America 19 U8, 44 E13
- Côte d'Azur** *Coast* France 97 J9
- Côte d'Ivoire (Ivory Coast)** *Country* West Africa 18 B88, 221 G11
- Coventry** *Town* UK 87 J10
- Craiova** *Town* Romania 127 F9
- Crete** *Island* Greece 78 H13, 131 H12
- Crimea** *Peninsula* Ukraine 121 H9
- Croatia** *Country* S.E. Europe 18 C5, 109 H4
- Crozet Islands** Indian Ocean 10 F13, 18 F13, 203 E10
- Cuba** *Country* Caribbean Sea 19 V7, 45 K6
- Cúcuta** *Town* Colombia 59 E2
- Cuenca** *Town* Ecuador 59 C5
- Culiacán** *Town* Mexico 39 D5
- Cumaná** *Town* Venezuela 59 H1
- Curitiba** *Town* Brazil 67 H10
- Cusco** *Town* Peru 59 E9
- Cyclades** *Island group* Greece 131 H9
- Cyprus** *Country* Europe 18 E6, 132 B10, 145 F10
- Czech Republic** *Country* Central Europe 18 C4, 115 E7

D

- Da Lat** *Town* Vietnam 189 J10
- Da Nang** *Town* Vietnam 189 I8
- Dagupan** *Town* Philippines 196 K2
- Dakar** *Town* Senegal 220 A8
- Dalian** *Town* China 178 O8
- Dallas** *Town* Texas, USA 35 I10
- Dalmatia** *Region* Croatia 109 G7
- Damascus** *Town* Syria 147 F6
- Dampier** *Town* Western Australia, Australia 258 C7
- Danube** *River* Central Europe 10 D5, 78 G10, H11, 95 G11, J10, 106 K5, 109 K4, 115 G10, J5, 127 F10, K8
- Danube Delta** Romania 127 L7
- Danzig, Gulf of** Poland/Russian Federation 115 H1
- Dar es Salaam** *Town* 239 K9
- Dardanelles** *Channel* Turkey 145 A5
- Darling** *River* New South Wales, Australia 10 L11, 254 F12, 259 K9
- Dartmoor** *Region* UK 87 H12
- Darwin** *Town* Northern Territory, Australia 259 G4
- Dasoguz** *Town* Turkmenistan 161 D6
- Datong** *Town* China 175 L8
- Daugavpils** *Town* Latvia 111 H7
- Davao** *Town* Philippines 196 M6
- David** *Town* Panama 44 G15
- Davis Sea** Antarctica 269 K5

Davis Strait Canada/Greenland 11 W2, 21 O4, 27 L5, 267 B8
Dayr az Zawr *Town* Syria 147 J3
Dayton *Town* Ohio, USA 37 E6
De Bilt *Town* Netherlands 91 I6
Dead Sea *Lake* Israel/Jordan/West Bank 132 B10, 147 E8
Death Valley California, USA 21 I10
Debreceen *Town* Hungary 115 J10
Deccan Plateau *Region* India 10 H7, 167 E8
Delaware State USA 37 I7
Delphi *Ancient site* Greece 131 D7
Denali *see* *McKinley, Mt.*
Denizli *Town* Turkey 145 C7
Denmark *Country* Europe 18 C4, 82 E10
Denmark Strait Greenland/Iceland 10 A2, 267 E9
Denver *Town* Colorado, USA 35 F7
Derby *Town* UK 87 J9
Des Moines *Town* Iowa, USA 35 J6
Detroit *Town* Michigan, USA 37 E5
Devon Island Northwest Territories, Canada 11 U1, 27 H4, 267 C6
Dezful *Town* Iran 153 F5
Dhaka *Town* Bangladesh 167 J7
Dhanbad *Town* India 167 I6
Dharwad *Town* India 167 D10
Dieppe *Town* France 97 E2
Dijon *Town* France 97 H5
Dimlang *Mountain* Nigeria 221 O11
Dinaric Alps Bosnia and Herzegovina/Croatia 109 F6
Dire Dawa *Town* Ethiopia 215 H9
Diyarbakir *Town* Turkey 145 I7
Djebel Toubkal *Mountain* Morocco 208 G4
Djibouti *Country* E. Africa 18 F8 215 H8
Djibouti *Town* Djibouti 203 D3, 215 I8
Dnieper *River* E. Europe 10 E4, 78 I9, J10, 111 K12, 120 G5, I7
Dniester *River* Ukraine 78 I10, 120 C6
Dnipropetrovsk *Town* Ukraine 121 I7
Dobrich *Town* Bulgaria 127 K10
Dodecanese *Island group* Greece 131 J9
Dodoma *Town* Tanzania 239 I8
Doha *Town* Qatar 153 G8
Dolomites *Mountain range* Alps, Italy 103 E3
Dominica *Country* Caribbean Sea 19 W7, 45 U13
Dominican Republic *Country* Caribbean Sea 19 W7, 45 P9
Don *River* Russian Federation 10 E4, 78 K9, K10
Donbass *Region* Ukraine 121 K7
Donegal Bay Ireland 87 E7
Donets'k *Town* Ukraine 121 K7
Dongguang *Town* China 175 N14
Donostia-San Sebastián *Town* Spain 100 G1
Dordogne *River* France 97 E7
Dordrecht *Town* Netherlands 91 H7
Dortmund *Town* Germany 95 E6
Douglas *Town* Isle of Man, UK 87 H8
Douro (Duero) *River* Portugal/Spain 78 C12, 100 D3, F3
Dovala *Town* Cameroon 232 D9
Dover *Town* Delaware, USA 37 H6
Dover *Town* UK 87 L11
Drake Passage *Channel* Atlantic Ocean/Pacific Ocean 269 A1
Drakensberg *Mountain range* South Africa 205 H14, 247 G11
Drava *River* S.E. Europe 78 G10, 109 F2, G4
Dresden *Town* Germany 95 K7
Drobeta-Turnu-Severin *Town* Romania 127 E8

Dubai *Town* United Arab Emirates 153 H8
Dublin *Town* Ireland 87 G8
Dubrovnik *Town* Croatia 109 J9
Dufourspitze, Mt. Switzerland 106 C9
Duisburg *Town* Germany 95 D6
Duluth *Town* Minnesota, USA 35 K3
Dumont d'Urville *Research station* Antarctica 269 H9
Dundee *Town* UK 87 J5
Dunedin *Town* New Zealand 262 C11
Dunkirk *Town* France 97 F1
Durango *Town* Mexico 39 E5
Durban *Town* South Africa 247 I10
Dushanbe *Town* Tajikistan 161 G8
Düsseldorf *Town* Germany 95 D6
Dvina (Northern, Western) River Russian Federation 78 I8, L6, 111 G6, J8, 138 E5
Dzhugdzhur Range *Mountain range* Russian Federation 133 O6, 139 Q8

E

East China Sea China 10 K6, 133 L10, 265 A3
East Frisian Islands Germany 95 E3
East London *Town* South Africa 247 H11
East Sea *see* *Japan, Sea of*
East Siberian Sea, Arctic Ocean 11 N2, 133 P3, 139 P3, 267 H2
East Timor *Country* S.E. Asia 18 K10, 197 N12
Easter Island *Dependent territory* Polynesia, Pacific Ocean 265 I7
Eastern Ghats *Mountain range* 167 G9
Ebro *River* Spain 78 D11, 100 H3
Ecuador *Country* S. America 19 V9, 59 C5
Edinburgh *Town* UK 87 I6
Edmonton *Town* Alberta, Canada 27 E13
Egypt *Country* N.E. Africa 18 D7, 147 D10, 215 D2
Eindhoven *Town* Netherlands 91 I8
El Faiyûm *Town* Egypt 215 D2
El Mansûra *Town* Egypt 215 D1
El Minya *Town* Egypt 215 D2
El Obeid *Town* Sudan 215 D7
El Paso *Town* Texas, USA 35 E11
El Salvador *Country* Central America 19 U8, 44 C10
El'bruz, Mts. Russian Federation 78 K11
Elat *Town* Israel 147 E10
Elâzığ *Town* Turkey 145 I7
Elba *Island* Italy 103 D7
Elbe *River* Germany 78 F9, 95 H3, J6
Elbert, Mt. Colorado, USA 35 E7
Elburz Mts. Iran 132 D9, 153 G4
Ellesmere Island Northwest Territories, Canada 21 N1, 27 H2
Ellsworth Mts. Antarctica 269 D5
Emperor Seamounts Pacific Ocean 265 D3
Enderby Land *Region* Antarctica 269 H3
England *Region* UK 87 K10
English Channel France/UK 78 D9, 87 J12
Enschede *Town* Netherlands 91 J6
Entebbe *Town* Uganda 239 G5
Ephesus *Ancient site* Turkey 145 A7
Epidaurus *Ancient site* Greece 131 E8
Equator 11 Z9
Equatorial Guinea *Country* Africa 18 C9, 232 C9
Erfurt *Town* Germany 95 H7
Erg Tiferrine *Desert region* Algeria 209 M7

Erie *Town* Pennsylvania, USA 37 G4
Erie, Lake Canada/USA 21 M9, 29 F9, 37 F5
Eritrea *Country* E. Africa 215 G6
Erzurum *Town* Turkey 145 J6
Esequibo *River* Guyana 59 I3
Esfahan *Town* Iran 153 G5
Eskisehir *Town* Turkey 145 C6
Esmeraldas *Town* Ecuador 59 B4
Essen *Town* Germany 95 E6
Estonia *Country* E. Europe 18 D3, 111 H4
Ethiopia *Country* E. Africa 18 E8, 215 H9
Ethiopian Highlands *Mountain range* Ethiopia 10 E8, 205 I6, 215 G9
Etna, Mt. *Volcano* Sicily 78 G12, 103 H13
Eugene *Town* Washington, USA 33 F6
Euphrates *River* S.W. Asia 132 C9, 145 H8, 147 K4, 153 E5
Europe *Continent* 10 C4, 78-79
Evansville *Town* Indiana, USA 37 D7
Everest, Mt. China/Nepal 10 H6, 133 H11, 167 J5, 174 D12
Everett *Town* Washington, USA 33 G4
Everglades Swamp *Region* Florida, USA 21 M11, 37 F13
Evvoia *Island* Greece 131 F6
Exeter *Town* UK 87 H11
Eyre, Lake South Australia, Australia 10 L11, 254 E11, 259 I9

F

Faeroe Islands *Dependent territory* Atlantic Ocean 10 B3, 18 B3, 77 H3, 78 C6
Fairbanks *Town* Alaska, USA 33 D2
Faisalabad *Town* Pakistan 167 D3
Falkland Islands *Dependent Territory* Atlantic Ocean 11 W13, 19 W13, 41 H16, 71 K15, 77 E11
Famagusta *Town* Cyprus 145 F9
Farg'ona *Town* Uzbekistan 161 H7
Faro *Town* Portugal 100 B8
Fens, The *Region* UK 87 K10
Fernando de Noronho *Island* Atlantic Ocean 19 J9, 77 G8
Fez *Town* Morocco 208 H3
Fianarantsoa *Town* Madagascar 203 D7
Fiji *Country* Melanesia, Pacific Ocean 11 O10, 19 O10, 255 K9, 265 E7
Finland *Country* Europe 18 D3, 82 K6
Finland, Gulf of 78 H7, 82 K9, 111 I3
Fitzroy *River* Western Australia, Australia 258 E6
Flinders *River* Queensland, Australia 259 J6
Flinders Ranges *Mountain range* South Australia, Australia 259 I10
Flint *Town* Michigan, USA 37 E4
Florence *Town* Italy 103 E6
Flores *Island* Indonesia 196 L12
Florida *State* USA 37 F11
Focsani *Town* Romania 127 J7
Formentera *Island* Balearic Islands, Spain 100 J6
Formosa *Town* Argentina 71 J4
Fort Lauderdale *Town* Florida, USA 37 G13
Fort Wayne *Town* Indiana, USA 37 E5
Fort Worth *Town* Texas, USA 35 I10
Fortaleza *Town* Brazil 67 K4
Forth *River* UK 87 I5
Foxe Basin Northwest Territories, Canada 21 M5, 27 J7
France *Country* Europe 18 B4, 97
Francistown *Town* Botswana 247 H7

Franconian Jura *Mountain range* Germany 95 I9
Frankfort *Town* Kentucky, USA 37 E7
Frankfurt am Main *Town* Germany 95 F8
Franz Josef Land *Island group* Russian Federation 10 F1, 139 J1, 267 H6
Fray Bentos *Town* Uruguay 71 J7
Fredericton *Town* New Brunswick, Canada 29 I6
Frederikshavn *Town* Denmark 82 E10
Freeport *Town* Bahamas 45 L3
Freetown *Town* Sierra Leone 220 C11
Fremantle *Town* Western Australia, Australia 203 K9, 258 C10
French Guiana *Country* S. America 19 X8, 59 K3
French Polynesia *Dependent territory* Pacific Ocean 19 Q10, 265 G6
Fresno *Town* California, USA 33 G10
Fribourg *Town* Switzerland 106 B8
Frobisher Bay Baffin Island, Northwest Territories, Canada 27 L7
Fuji, Mt. *Volcano* Japan 185 H9
Fundy, Bay of Canada 29 I7, 77 D4
Fushun *Town* China 175 O6
Fuzhou *Town* China 175 O12

G

Gabon *Country* Central Africa 18 C9, 232 F10
Gaborone *Town* Botswana 247 H8
Gaizins Kalns *Mountain* Latvia 111 H6
Galápagos Islands Pacific Ocean 11 V9, 19 V9, 265 J5
Galati *Town* Romania 127 K7
Galdhøppigen, Mt. Norway 82 E7
Galicja *Region* Poland 113 I8
Galicja *Region* Spain 100 C2
Galway Bay Ireland 78 B9
Gambia *Country* W. Africa 18 A8, 220 B8
Gãncã *Town* Azerbaijan 121 Q13
Gander *Town* Newfoundland, Canada 29 K4
Ganges *River* India 10 H7, 133 H11, 167 G5, I6, J7
Ganges Delta *River mouth* Bangladesh 167 J7
Garda, Lake Italy 103 D3
Garoua *Town* Cameroon 232 E7
Gary *Town* Indiana, USA 37 D5
Gaza Strip *Region* Middle East 147 D8
Gaziantep *Town* Turkey 145 H8
Gdansk *Town* Poland 115 G2
Geelong *Town* Victoria, Australia 259 J12
Gelsenkirchen *Town* Germany 95 E6
General Santos *Town* Philippines 196 M6
Geneva *Town* Switzerland 106 A9
Geneva, Lake France/Switzerland 97 I6, 106 B9
Genoa *Town* Italy 103 C5
George Town *Town* Malaysia 189 E14
Georgetown *Town* Guyana 59 J1
Georgia *Country* S.W. Asia 18 E5, 121 O12
Georgia *State* USA 37 E9
Gerlachovka *Mountain* Slovakia 115 I8
Germany *Country* Europe 18 C4, 95
Ghana *Country* W. Africa 18 B8, 221 I11
Gharyan *Town* Libya 209 O4
Ghawar Oilfield Saudi Arabia 153 F8
Ghent *Town* Belgium 91 F9
Gibraltar *Dependent territory* Mediterranean Sea 18 B6 100 E9
Gibraltar, Strait of 78 C13, 100 D9

- Gibson Desert** Western Australia, Australia 10 K11, 254 C11, 258 D8
- Gilbert Islands** *see* **Tungaru**
- Gisborne** *Town* New Zealand 262 H5
- Giza** *Town* Egypt 215 D1
- Glana River** Norway 82 F7
- Glasgow** *Town* UK 87 I6
- Gobi Desert** Central Asia 10 IS, 133 I8, 175 I7
- Godavari River** India 167 F8
- Godoy Cruz** *Town* Argentina 71 G8
- Godthab (Nuuk)** *Town* Greenland 267 B9
- Goiania** *Town* Brazil 67 H8
- Golan Heights** *Region occupied by Israel* Syria 147 F6
- Gold Coast** *Town* Queensland, Australia 259 M9
- Gonder** *Town* Ethiopia 215 G8
- Goose Lake** California/Oregon, USA 33 G7
- Gostivar** *Town* Macedonia 124 J8
- Gothenburg** *Town* Sweden 82 F10
- Gotland** *Island* Sweden 82 H11
- Gough Island** Atlantic Ocean 10 B12, 18 B12, 77 H10
- Gozo** *Island* Malta 103 G15
- Grampian Mts.** UK 87 I5
- Gran Chaco** *Region* Argentina 41 G11, 71 H4
- Granada** *Town* Spain 100 F8
- Grand Banks** *Sea shelf* Atlantic Ocean 29 LA, 77 E4
- Grand Canal** China 178 O10
- Grand Canyon** Arizona, USA 21 I10, 33 J10
- Grand Cayman** *Island* Cayman Islands 44 F7
- Grand Forks** *Town* North Dakota, USA 35 I2
- Grand Junction** *Town* Colorado, USA 35 D7
- Grand Rapids** *Town* Michigan, USA 37 D4
- Grasse** *Town* France 97 J8
- Graz** *Town* Austria 106 K7
- Great Australian Bight** Australia 10 K12, 254 D13, 259 G10
- Great Barrier Reef** Australia 254 G9, 259 L6
- Great Basin** *Region* USA 21 I9
- Great Bear Lake** *Northwest Territories*, Canada 11 S2, 21 H5, 27 D8
- Great Dividing Range** *Mountain range* Queensland, Australia 10 M11, 254 G11, 259 L8
- Great Eastern Erg** *Desert region* Algeria 205 D3, 209 L5
- Great Lakes** Canada/USA 11 V4, 21 M8, 37 E2
- Great Plain of China** 10 J6, 133 K10
- Great Plains** USA 11 T5, 21 J8, 35 G6
- Great Rift Valley** E. Africa 10 D9, 205 H9, I9, 239 F9, I6
- Great Salt Lake** Utah, USA 21 I9, 33 J8
- Great Salt Lake Desert** Utah, USA 33 J8
- Great Sandy Desert** Western Australia, Australia 10 K11, 254 C10, 258 E7
- Great Slave Lake** Northwest Territories, Canada 11 S3, 21 I6, 27 E10
- Great Victoria Desert** Western/South Australia, Australia 10 K11, 254 C11, 258 F9
- Great Wall** *Ancient site* China 175 H8, 18, J9, K9, M7
- Great Western Erg** *Desert region* Algeria 205 C3, 209 J5
- Greater Antilles** *Island group* Caribbean Sea 11 V7, 41 E1, 45 M10
- Greater Khingan Range** *Mountain range* China 175 N5
- Greece** *Country* Europe 18 D5, 131
- Green River** W. USA 33 K9
- Greenland** *Dependent territory* Arctic Ocean 11 X1, 19 X1, 21 R3, 77 F2, 267 D7
- Greenland Sea** Arctic Ocean 11 Z2, 77 H2, 267 F8
- Greensboro** *Town* North Carolina, USA 37 G8
- Grenada** *Country* Caribbean Sea 19 W8, 45 U15
- Greymouth** *Town* New Zealand 262 D8
- Groningen** *Town* Netherlands 91 K4
- Groznyy** *Town* Russian Federation 138 B9
- Guadalajara** *Town* Mexico 39 E7
- Guadalquivir** *River* Spain 100 D7
- Guadeloupe** *Dependent territory* Caribbean Sea 45 V12
- Guadiana** *River* Portugal/Spain 100 C6, E6
- Guam** *Dependent territory* Micronesia, Pacific Ocean 18 L8, 254 F3, 265 B5
- Guantánamo** *Town* Cuba 45 M8
- Guatemala** *Country* Central America 19 U8, 44 B8
- Guatemala City** *Town* Guatemala 44 B9
- Guayaquil** *Town* Ecuador 59 B5
- Guernsey** *Island/Dependent territory* UK 87 I13
- Guiana Highlands** *Mountain range* S. America 41 G4
- Guinea** *Country* W. Africa 18 B8, 220 C10
- Guinea Highlands** *Region* W. Africa 205 C6, 221 E11
- Guinea, Gulf of** Atlantic Ocean 10 B8, 77 I7
- Guinea-Bissau** *Country* W. Africa 18 A8, 220 B9
- Guiyang** *Town* China 175 K13
- Gujranwala** *Town* Pakistan 167 E3
- Gunnbjörn, Mt.** Greenland 267 D9
- Guri** *Reservoir* Venezuela 59 H2
- Guwahati** *Town* India 167 K5
- Guyana** *Country* S. America 19 W8, 59 I4
- Guyana Basin** Atlantic Ocean 77 F7
- Gwalior** *Town* India 167 F5
- Gyda Peninsula** Russian Federation 133 G3, 139 J5
- Gyumri** *Town* Armenia 121 P14
- H**
- Ha Long Bay** Vietnam 189 I5
- Haarlem** *Town* Netherlands 91 H6
- Hagen** *Town* Germany 95 E6
- Hai Phong** *Town* Vietnam 189 I5
- Haifa** *Town* Israel 147 E6
- Haikou** *Town* China 175 M15
- Hainan** *Island* China 175 L16
- Haiti** *Country* Caribbean Sea 19 V7, 45 O9
- Hakodate** *Town* Japan 185 H4
- Halab** *Town* Syria 147 G2
- Halifax** *Town* Nova Scotia, Canada 29 J6
- Halle** *Town* Germany 95 F6
- Hamada** *Town* Japan 185 D10
- Hamadan** *Town* Iran 153 F4
- Hamah** *Town* Syria 147 G4
- Hamburg** *Town* Germany 95 G3
- Hammersley Range** *Mountain range* Australia 254 B10, 258 C7
- Hamilton** *Town* New Zealand 262 F4
- Hamilton** *Town* Ontario, Canada 29 F6
- Hammar, Lake al-** Iraq 153 E4
- Handan** *Town* China 175 M9
- Hangzhou** *Town* China 175 O11
- Hanoi** *Town* Vietnam 189 H9
- Hanover** *Town* Germany 95 G5
- Harard** *Town* Saudi Arabia 153 F8
- Harare** *Town* Zimbabwe 247 I6
- Harbin** *Town* China 175 P5
- Hardranger Fjord** Norway 82 D8
- Hargeysa** *Town* Somalia 215 I9
- Harrisburg** *Town* Pennsylvania, USA 37 H6
- Hartford** *Town* Connecticut 37 J5
- Hasselt** *Town* Belgium 91 I9
- Hastings** *Town* New Zealand 262 G6
- Hat Yai** *Town* Thailand 189 E13
- Havana** *Town* Cuba 44 I5
- Hawaii** *Island* USA 33 H15, 255 O2
- Hawaii** *State* USA 19 P7, 33 G14
- Hawaiian Islands** Polynesia, Pacific Ocean 11 P7, 255 M1, 265 F4
- Heard Island** Indian Ocean 203 G11
- Hefei** *Town* China 175 N10
- Helena** *Town* Montana, USA 35 C3
- Helsingborg** *Town* Sweden 82 F11
- Helsinki** *Town* Finland 82 J9
- Helwan** *Town* Egypt 215 D2
- Henzada** *Town* Burma 189 C7
- Herat** *Town* Afghanistan 161 E9
- Hilo** *Town* Hawaii, USA 33 H14
- Himalayas** *Mountain range* S. Asia 10 H6, 133 G10, 167 H4, 174 D12
- Hims** *Town* Syria 147 G4
- Hindu Kush** *Mountain range* Central Asia 10 G6, 132 F9, 161 G9
- Hiroshima** *Town* Japan 185 D10
- Hispaniola** *Island* Caribbean Sea 41 F1
- Hitachi** *Town* Japan 185 I8
- Hkakabo Razi** *Mountain* Burma 189 D1
- Ho Chi Minh** *Town* Vietnam 189 I11
- Hobart** *Town* Tasmania, Australia 259 K13
- Hodeida** *Town* Yemen 153 C11
- Hohhot** *Town* China 175 L7
- Hokkaido** *Island* Japan 10 L5, 133 N8, 185 I2
- Holguín** *Town* Cuba 45 M7
- Holon** *Town* Israel 147 E7
- Holyhead** *Town* UK 87 H9
- Homyel'** *Town* Belarus 111 K11
- Honduras** *Country* Central America 19 U7, 44 E9
- Hong Gai** *Town* Vietnam 189 I5
- Hong Kong** *Town* China E. Asia 18 J7, 175 N14, 285 A4
- Honolulu** *Town* Hawaii, USA 33 G14, 265 F4
- Honshu** *Island* Japan 10 L6, 133 N9, 185 H8
- Horlivka** *Town* Ukraine 121 K7
- Ormuz, Strait of** Iran/Oman 153 I8
- Horn of Africa** *Region* Somalia 205 K6, 215 K8
- Houston** *Town* Texas, USA 35 J12
- Howland Island** *Dependent territory* Polynesia, Pacific Ocean 19P9, 255 L6, 265 E5
- Hrodna** *Town* Belarus 111 F9
- Huainan** *Town* China 175 N10
- Huancayo** *Town* Peru 59 D8
- Huang He, see** Yellow River
- Huascarán** *Volcano* Peru 59 C7
- Hudson River** New York, USA 37 I5
- Hudson Bay** Canada 11 U3, 21 L6, 27 I10, 29 D4
- Hudson Strait** Northwest Territories, Canada 27 K8
- Hue** *Town* Vietnam 189 I8
- Hungary** *Country* Central Europe 18 D5, 115 G11
- Huntsville** *Town* Alabama, USA 37 D9
- Huron, Lake** Canada/USA 21 M8, 29 F8, 37 E3
- Hyderabad** *Town* India 167 F9
- Hyderabad** *Town* Pakistan 167 C5
- I**
- Iasi** *Town* Romania 127 J5
- Ibadan** *Town* Nigeria 221 K11
- Ibiza** *Island* Balearic Islands, Spain 100 J6
- Ica** *Town* Peru 59 D9
- Iceland** *Country* Atlantic Ocean 10 A3, 18 B44, 77 H2, 78 A5, 267 E10
- Idaho** *State* USA 33 H6
- Iguaçu Falls** *Waterfall* Brazil 41 I10, 67 F10
- Ijsselmeer** *Lake* Netherlands 91 C5
- Île d'Ouessant** *Island* France 97 A4
- Ilebo** *Town* Congo, Dem. Rep. 232 H12
- Îles d'Hyères** *Islands* France 97 J9
- Iligan** *Town* Philippines 196 M5
- Illinois** *State* USA 37 C6
- Iloilo** *Town* Philippines 196 L4
- Ilorin** *Town* Nigeria 221 L11
- In Salah** *Town* Algeria 209 K6
- Inari** *Lake* Finland 78 I4, 82 K3
- Inch'on** *Town* South Korea 175 Q8
- Independence** *Town* Missouri, USA 35 J7
- India** *Country* S. Asia 18 H7, 167 F6
- Indian Ocean** 10 H10, 203
- Indiana** *State* USA 37 D6
- Indianapolis** *Town* Indiana, USA 37 D6
- Indonesia** *Country* S.E. Asia 18 J9, 196 K11, 203 J5
- Indore** *Town* India 167 E7
- Indus River** Pakistan 132 F11, 167 B6, C4
- Inner Hebrides** *Island group* UK 78 C7, 87 G5
- Innsbruck** *Town* Austria 106 G7
- Insein** *Town* Burma 189 C7
- International Date Line** 265 E3
- Invercargill** *Town* New Zealand 262 B11
- Ionian Islands** Greece 131 A6
- Ionian Sea** Greece/Italy 103 J12, 131 A6
- Ios** *Island* Greece 131 H10
- Iowa** *State* USA 35 J5
- Ipoth** *Town* Malaysia 189 E14
- Ipswich** *Town* UK 87 L10
- Iquique** *Town* Chile 71 E3
- Iquitos** *Town* Peru 59 D5
- Irakleio** *Town* Crete 131 H12
- Iran** *Country* S.W. Asia 18 F6, 153 H5
- Iranian Plateau** S.W. Asia 10 G6, 132 D10
- Iraq** *Country* S.W. Asia 18 E6, 153 E4
- Irbid** *Town* Jordan 147 F7
- Irbil** *Town* Iraq 153 E3
- Ireland** *Country* Europe 18 34, 87 F8
- Irian Jaya** *see* **Papua**
- Irish Sea** Ireland/UK 87 H8
- Irkutsk** *Town* Russian Federation 139 M10
- Irrawaddy River** Myanmar 133 I12, 189 C4
- Irtys River** N./Central Asia 10 H4, 133 G7, 138 H7, H8, 161 I2, 174 E5
- Ischia** *Island* Italy 103 G9
- Ishim** *River* Kazakhstan/Russian Federation 161 F2
- Iskenderun** *Town* Turkey 145 G8
- Islamabad** *Town* Pakistan 167 D2
- Ismā'īliya** *Town* Egypt 215 E1
- Ismoilī Somonī, Qullai** *Mountain* Tajikistan 161 H7
- Isparta** *Town* Turkey 145 D7
- Israel** *Country* S.W. Asia 18 E6, 147 E9

Istanbul *Town* Turkey 145 C5
Itaipú Dam Paraguay 71 K4
Italy *Country* Europe 18 C5, 103 E7
Ivano-Frankiv'sk *Town* Ukraine 120 C6
Ivory Coast *see Côte d'Ivoire*
Izabal, Lake Guatemala 44 C9
Izhersk *Town* Russian Federation 138 E7
Izmir *Town* Turkey 145 A7
Izmit *Town* Turkey 145 C5

J

Jabalpur *Town* India 167 G7
Jackson *Town* Mississippi, USA 37 C10
Jacksonville *Town* Florida, USA 37 F11
Jacques Cartier, Mt. Quebec, Canada 29 I5
Jaipur *Town* India 167 E5
Jakarta *Town* Java, Indonesia 196 F11
Jalandhar *Town* India 167 E3
Jamaica *Country* Caribbean Sea 18 V7, 46 K9
Jambi *Town* Sumatra, Indonesia 196 D9
Jan Mayen *Island* Norway 18 B2, 267 F9
Japan *Country* E. Asia 18 L6, 185
Japan, Sea of (East Sea) E. Asia 10 L5, 133 M9, 139 S11, 185 G7, 265 B3
Japanese Alps *Mountain range* Japan 185 G9
Jarris Island Pacific Ocean 19 Q9
Java *Island* Indonesia 133 K16, 196 G12
Java Sea Indonesia 10 J9, 196 F11
Jayapura *Town* Papua, Indonesia 197 T9
Jaz Murian Salt Lake Iran 153 J8
Jedda *Town* Saudi Arabia 153 B8
Jefferson City *Town* Missouri, USA 35 K7
Jember *Town* Java, Indonesia 196 I12
Jerez de la Frontera *Town* Spain 100 D8
Jericho *Town* Israel 147 E8
Jersey Island/Dependent territory UK 87 I13
Jerusalem *Town* Israel 147 E8
Jilin *Town* China 175 P5
Jinan *Town* China 175 N9
Jingdezhen *Town* China 175 N11
Jingzhou *Town* China 175 M11
Jodhpur *Town* India 167 D5
Johannesburg *Town* South Africa 247 H9
John Day River Oregon/Washington, USA 33 H6
Johnston Atoll *Dependent territory* Polynesia, Pacific Ocean 19 P8, 255 M3, 265 F4
Johor Baharu *Town* Malaysia 189 G16
Jönköping *Town* Sweden 82 G10
Jordan *Country* S.W. Asia 18 E6, 147 G8
Jordan River S.W. Asia 147 E7
Juan Fernández, Islas *Island group* Pacific Ocean 11 U12, 19 V12, 265 K8
Juliac *Town* Peru 59 E10
Juneau *Town* Alaska, USA 33 E3
Jura *Mountain range* Switzerland/France 97 I5, 106 B8
Jutland Peninsula Denmark 78 F8, 82 E11

K

K'ut'aisi *Town* Georgia 121 O12
Kabalebo Reservoir Suriname 59 J3
Kabul *Town* Afghanistan 161 G9
Kabwe *Town* Zambia 239 E13
Kaduna *Town* Nigeria 221 M10
Kafue Flats *Region* Zambia 239 C13
Kagoshima *Town* Japan 185 C12

Kahramanmaras *Town* Turkey 145 G8
Kaikoura *Town* New Zealand 262 E8
Kalahari Desert Botswana 10 D11, 205 G12, 247 F8
Kalemie *Town* Congo, Dem. Rep. 232 K12
Kalgoorlie *Town* Western Australia, Australia 258 E10
Kalimantan *Region* Borneo, Indonesia 196 I9
Kaliningrad *Town* Russian Federation 111 D8
Kamchatka Peninsula Russian Federation 10 M4, 133 P6, 139 T6
Kampala *Town* Uganda 239 G5
Kämpóng Cham *Town* Cambodia 189 H10
Kananga *Town* Congo, Dem. Rep. 232 I12
Kandahar *Town* Afghanistan 161 E10
Kandi *Town* Benin 221 K10
Kano *Town* Nigeria 221 N9
Kanpur *Town* India 167 G5
Kansas State USA 35 H7
Kansas City *Town* Kansas, USA 35 J7
Kaohsiung *Town* Taiwan 175 P14
Kapuas River Borneo, Indonesia 196 G9
Kara Kum *Desert* Kazakhstan 10 F5, 132 F9, 161 J4
Kara Sea Russian Federation 10 G2, 79 O3, 133 G2, 138 H4
Kara *Town* Togo 221 J10
Karachi *Town* Pakistan 167 B5, 203 F2
Karaganda *Town* Kazakhstan 161 H3
Karaj *Town* Iran 153 G4
Karakoram Range Central Asia 133 G10, 174 A8
Karakum Canal Turkmenistan 161 E8
Karbala *Town* Iraq 153 E5
Kariba Dam Zambia/Zimbabwe 239 E14
Karlsruhe *Town* Germany 95 F10
Karpathos *Island* Greece 131 K12
Karshi *Town* Uzbekistan 161 F7
Kashmir *Region* India/Pakistan 167 F2
Kathmandu *Town* Nepal 167 I5
Katowice *Town* Poland 115 H7
Kattegat *Channel* Denmark/Sweden 82 F10
Kauai *Island* Hawaii, USA 33 G14, 255 O2
Kaunas *Town* Lithuania 111 G8
Kawasaki *Town* Japan 185 H9
Kayseri *Town* Turkey 145 G7
Kazakh Uplands *Region* Kazakhstan 133 G7, 161 H3
Kazakhstan *Country* Central Asia 18 G4, 161 F4
Kazan *Town* Russian Federation 138 E7
Kefallonia *Island* Greece 131 B7
Kemerovo *Town* Russian Federation 139 J9
Kemijoki River Finland 82 J5, K4
Kendari *Town* Celebes, Indonesia 196 L10
Kénitra *Town* Morocco 208 G3
Kentucky State USA 37 E7
Kenya *Country* Africa 18 E9, 239 J4
Kenya, Mt. *see Kirinyaga*
Kerguelen *Island group* Indian Ocean 18 G13, 203 G11
Kermadec Islands Polynesia, Pacific Ocean 19 O11, 255 L12, 265 E7
Kerman *Town* Iran 153 I7
Kerulen River Mongolia/China 175 L5
Khabarovsk *Town* Russian Federation 139 R10
Kharkiv *Town* Ukraine 121 J5
Khartoum *Town* Sudan 215 E7
Kherson *Town* Ukraine 121 H8
Khmel'nyts'kyi *Town* Ukraine 120 D5

Khon Kaen *Town* Thailand 189 G8
Khujiand *Town* Tajikistan 161 G7
Khulna *Town* Bangladesh 167 J7
Khyber Pass *Mountain pass* Afghanistan/Pakistan 161 G9
Kiel *Town* Germany 95 G2
Kiel Canal Germany 95 G2
Kiev *Town* Ukraine 120 F5
Kigali *Town* Rwanda 239 F6
Kigoma *Town* Tanzania 239 E8
Kikwit *Town* Congo, Dem. Rep. 232 G12
Kilimanjaro, Mt. Tanzania 205 I9, 239 J6
Kimberley *Town* South Africa 247 G10
Kimberley Plateau *Region* Western Australia, Australia 254 C9, 259 F5
Kingman Reef *Dependent territory* Polynesia, Pacific Ocean 19 P8, 265 F5
Kingston *Town* Jamaica 45 L9
Kingston *Town* St. Vincent and the Grenadines 45 V14
Kingston upon Hull *Town* UK 87 K8
Kinshasa *Town* Congo, Dem. Rep. 232 F12
Kirghiz Steppe *Region* Kazakhstan 10 F4, 132 D7, 161 D3
Kiribati *Country* Micronesia/Polynesia, Pacific Ocean 19 P9, 265 F6
Kirinyaga *Mountain* Kenya 239 J5
Kirkuk *Town* Iraq 153 E4
Kirov *Town* Russian Federation 138 E6
Kirovohrad *Town* Ukraine 120 G7
Kisangani *Town* Congo, Dem. Rep. 232 I10
Kismaayo *Town* Somalia 215 I12
Kisumu *Town* Kenya 239 H5
Kitwe *Town* Zambia 239 E12
Kitzbühel *Town* Austria 106 G7
Kizil Irnak *River* Turkey 145 F5, G6
Kjølen Mts. Norway/Sweden 78 G5, 82 G5
Klagenfurt *Town* Austria 106 I8
Klaipeda *Town* Lithuania 111 E7
Klang *Town* Malaysia 189 E15
Klerksdorp *Town* South Africa 247 G9
Klyuchevsk *Volcano* Russian Federation 139 T5
Knossos *Ancient site* Crete 131 H12
Knoxville *Town* Tennessee, USA 37 E8
Knud Rasmussen Land *Region* Greenland 21 O2, 267 E7
Kobe *Town* Japan 185 F10
Kodiak Island Alaska, USA 20 E7, 33 C3
Kola Peninsula Russian Federation 78 J5, 138 F3
Kolkata (Calcutta) *Town* India 167 J7
Kolyma Range *Mountain range* Russian Federation 133 P5, 139 S5
Konya *Town* Turkey 145 E7
Koryak Range *Mountain range* Russian Federation 133 Q5, 139 T3
Kos *Island* Greece 131 K9
Kosciusko, Mt. Queensland, Australia 259 K11
Kosovo *Country (disputed)* S.E. Europe 18 D5, 124 I7
Kosovska Mitrovica *Town* Kosovo 124 I9
Kota *Town* India 167 E6
Kota Bharu *Town* Malaysia 189 F13
Kota Kinabalu *Town* Borneo, Malaysia 196 J6
Kowloon *Town* Hong Kong China 175 N14
Kragujevac *Town* Serbia 124 J5
Kraljevo *Town* Serbia 124 J5
Kramators'k *Town* Ukraine 121 K6
Krasnodar *Town* Russian Federation 138 A7
Krasnoyarsk *Town* Russian Federation 139 K9
Krefeld *Town* Germany 95 D6
Kremenchuk *Town* Ukraine 121 H6

Krusevac *Town* Serbia 121 J7
Kryvyi Rih *Town* Ukraine 121 H7
Kuala Lumpur *Town* Malaysia 189 F15
Kuala Terengganu *Town* Malaysia 189 F14
Kuantan *Town* Malaysia 189 F15
Kuching *Town* Borneo, Malaysia 196 G8
Kujawy *Region* Poland 115 G4
Kumamoto *Town* Japan 185 C12
Kumanovo *Town* Macedonia 124 K8
Kumasi *Town* Ghana 221 I12
Kunlun Mts. China 10 H6, 133 H9, 174 D9
Kunming *Town* China 175 J14
Kupang *Town* Timor, Indonesia 196 M13
Kurile Islands *Disputed territory* E. Asia 10 M5, 133 O8, 139 U9, 185 K1, 265 C2
Kütahya *Town* Turkey 145 C6
Kuwait *Country* S.W. Asia 18 F6, 153 F6
Kuwait *Town* Kuwait 153 F6, 203 E1
Kwajalein Atoll Marshall Islands, Pacific Ocean 265 D5
Kyoto *Town* Japan 185 F10
Kyrgyzstan *Country* Central Asia 18 G5, 161 H6
Kythira *Island* Greece 131 E11
Kyushu *Island* Japan 133 M10, 185 C11

L

L'viv *Town* Ukraine 120 B5
La Paz *Town* Bolivia 59 F10
La Plata *Town* Argentina 71 J8
La Serena *Town* Chile 71 F7
Labrador *Region* Newfoundland, Canada 29 I3
Labrador Sea Canada/Greenland 11 W3, 21 P6, 29 H2, 77 E3
Laccadive Islands Indian Ocean 203 G3
Laccadive Sea Indian Ocean 10 G8
Ladoga, Lake Russian Federation 10 E3, 78 J7
Lago dos Patos Lagoon Brazil 67 G12
Lagos *Town* Nigeria 221 K12
Lahore *Town* Pakistan 167 E3
Lake District *Region* UK 78 D8, 87 I7
Lakshadweep *Island group* Indian Ocean 18 G8, 132 E13
Lambert Glacier Antarctica 269 I4
Lanai *Island* Hawaii, USA 33 G14
Land's End *Cape* UK 87 G12
Lansing *Town* Michigan, USA 37 E4
Lanzhou *Town* China 175 J9
Laos *Country* S.W. Asia 18 I7, 189 F6
Lapland *Region* N. Europe 78 H4, 82 I4
Laptev Sea Arctic Ocean 10 K1, 133 L2, 139 M4, 267 I4
Laredo *Town* Texas, USA 35 H13
Larisa *Town* Greece 131 D5
Larnaca *Town* Cyprus 145 E10
Larsen Ice Shelf Antarctica 269 B3
Las Vegas *Town* Nevada, USA 33 I11
Latvia *Country* E. Europe 18 D4, 111 G6
Lausanne *Town* Switzerland 106 B9
Laval *Town* Québec, Canada 29 H7
Laâyoune *Town* Western Sahara 208 D5
Le Havre *Town* France 97 E2
Le Mans *Town* France 97 E4
Lebanon *Country* S.W. Asia 18 E6, 147 F5
Leeds *Town* UK 87 J8
Leeward Islands Caribbean Sea 45 U10
Lefkada *Island* Greece 131 B6
Legaspi *Town* Philippines 196 L3
Leicester *Town* UK 87 J10
Leiden *Town* Netherlands 91 H6
Leipzig *Town* Germany 95 I6

- Leiria** *Town* Portugal 100 B5
Lelystad *Town* Netherlands 91 I5
Lena *River* Russian Federation 10 K2, 133 K5, L4, 139 N6, N8
León *Town* Nicaragua 44 D11
Léon *Town* Mexico 39 F7
Leskovac *Town* Serbia 124 K6
Lesotho *Country* Southern Africa 18 D11, 247 H10
Lesser Antilles *Island group* Caribbean Sea 11 W8, 41 G3, 45 R14, T12
Lesser Khingan Mts. N.E. Asia 175 O3
Lesvos *Island* Greece 131 I5
Leuwarden *Town* Netherlands 91 J4
Levin *Town* New Zealand 262 F6
Lexington *Town* Kentucky, USA 37 E7
Lhasa *Town* China 175 F12
Liberia *Country* W. Africa 18 B8, 221 E12
Libreville *Town* Gabon 232 D10
Libya *Country* N. Africa 18 D6, 209 Q6
Libyan Desert Egypt/Libya/Sudan 10 D6, 205 G3, 209 T7, 215 C3
Liechtenstein *Country* Europe 18 C5, 106 E7
Liège *Town* Belgium 91 I10
Liepāja *Town* Latvia 111 E6
Ligurian Sea Italy 103 C6
Likasi *Town* Congo, Dem. Rep. 232 J14
Lille *Town* France 97 F1
Lillehammer *Town* Norway 82 F8
Lilongwe *Town* Malawi 239 H13
Lima *Town* Peru 59 C8, 265 L6
Limassol *Town* Cyprus 145 E10
Limoges *Town* France 97 E6
Limpopo *River* Southern Africa 205 I12, 247 I8
Lincoln *Town* Nebraska, USA 35 I6
Lincoln Sea Arctic Ocean 21 O1
Line Islands Kiribati, Pacific Ocean 11 P8, 255 O6, 265 F5
Linz *Town* Austria 106 I5
Lisbon *Town* Portugal 100 B6
Lithuania *Country* E. Europe 18 D4, 111 F7
Little Rock *Town* Arkansas, USA 35 K9
Liverpool *Town* UK 87 I9
Ljubljana *Town* Slovenia 109 E3
Llanos *Region* Colombia/Venezuela 11 V8
Locarno *Town* Switzerland 106 D9
Łódź *Town* Poland 115 H5
Lofoten *Island group* Norway 78 G4, 82 G3
Logan, Mt. Yukon Territory, Canada 27 A9
Logroño *Town* Spain 100 G2
Loire *River* France 78 D10, 97 D5, H6
Lombardy *Region* Italy 103 D4
Lombok *Island* Indonesia 196 J12
Lomé *Town* Togo 221 J12
Lomond, Loch *Lake* UK 87 H5
London *Town* Ontario, Canada 29 F6
London *Town* UK 87 K11
Londonderry *Town* UK 87 G6
Long Beach *Town* California, USA 33 H12
Long Island New York, USA 37 I5
Long Xuyen *Town* Vietnam 189 H11
Longyearbyen *Town* Svalbard 267 G8
Lop Nur *Lake* China 175 F8
Lord Howe Island *Dependent territory* Pacific Ocean 19 N11, 265 D8
Los Angeles *Town* California, USA 33 H12
Los Angeles *Town* Chile 71 F10
Louangphabang *Town* Laos 189 F6
Louise, Lake Alberta, Canada 27 E13
Louisiana *State* USA 35 K11
Louisville *Town* Kentucky, USA 37 D7
Lowell *Town* Massachusetts, USA 37 J4
Loyalty Islands Pacific Ocean 11 N10
Luanda *Town* Angola 247 B2
Luanshya *Town* Zambia 239 E12
Lubbock *Town* Texas, USA 35 G10
Lübeck *Town* Germany 95 H3
Lublin *Town* Poland 115 K6
Lubumbashi *Town* Congo, Dem. Rep. 232 J14
Lucena *Town* Philippines 196 L3
Lucerne *Town* Switzerland 106 C8
Lucknow *Town* India 167 G5
Ludhiana *Town* India 167 E3
Lugano *Town* Switzerland 106 D9
Luhans'k *Town* Ukraine 121 L6
Lundy Island UK 87 H11
Luoyang *Town* China 175 L10
Lusaka *Town* Zambia 239 E13
Luts'k *Town* Ukraine 120 C4
Luxembourg *Country* Europe 18 C4, 91 J12
Luxembourg *Town* Luxembourg 91 J13
Luxor *Town* Egypt 215 E3
Luzon *Island* Philippines 133 L12, 196 L2
Lyon *Town* France 97 H6
- M**
- Maastricht** *Town* Netherlands 91 I10
Macao *Town* China, S.E. Asia 175 N14
Macdonnell Ranges *Mountain range* Northern Territory, Australia 254 D10, 259 G7
Macedonia *Country* S.E. Europe 18 D5, 124 J8
Maceió *Town* Brazil 67 L6
Machala *Town* Ecuador 59 B6
Machu Picchu *Ancient site* Peru 59 E9
Mackenzie *River* Northwest Territories, Canada 11 S3, 21 H5, 27 D9
Mackenzie Mts. Northwest Territories, Canada 20 G5, 27 C9
Macon *Town* Georgia, USA 37 E10
Macquarie Island *Dependent territory* Pacific Ocean 265 D9
Madagascar *Country* Indian Ocean 10 F11, 18 F11, 203 D7, 205 K12
Madeira *Island* Atlantic Ocean 10 A6, 18 A6, 77 H5, 205 A2
Magdeburg *Town* Germany 95 I5
Madison *Town* Wisconsin, USA 37 C4
Madras *see* Chennai
Madre de Dios *River* Bolivia/Peru 59 F8
Madrid *Town* Spain 100 F4
Madurai *Town* India 167 F12
Magellan, Strait of *Channel* Chile 41 G16, 71 H16
Maggiore, Lake Italy/Switzerland 103 C3, 106 D9
Mahajanga *Town* Madagascar 203 D7
Mahalapye *Town* Botswana 247 G8
Mahé *Island* Seychelles 203 E6, 205 L9
Mahilyow *Town* Belarus 111 K9
Maine *State* USA 37 K3
Mainz *Town* Germany 95 F8
Majorca *Island* Balearic Islands, Spain 100 L5
Makassar *Town* Celebes, Indonesia 196 K11
Makiyivka *Town* Ukraine 121 K7
Malabar Coast India 167 D11
Malabo *Town* Equatorial Guinea 232 C9
Malacca, Strait of S.E. Asia 203 I4
Málaga *Town* Spain 100 E8
Malang *Town* Java, Indonesia 196 H12
Malatya *Town* Turkey 145 H7
Malawi *Country* Africa 18 E10, 239 H13
Malaysia *Country* S.E. Asia 189 F15, 196 G7
Maldive Ridge Indian Ocean 203 G5
Maldives *Country* Indian Ocean 10 G8, 18 H9, 203 G4
Male *Town* Maldives 203 G5
Mali *Country* W. Africa 221 H6
Malmö *Town* Sweden 82 F11
Malopolska *Region* Poland 115 I7
Malta *Country* Europe 18 C6, 103 H15
Mammoth Caves Kentucky, USA 37 D7
Man, Isle of *Dependent territory* UK 87 H7
Manado *Town* Celebes, Indonesia 196 M8
Managua *Town* Nicaragua 44 E11
Manama *Town* Bahrain 153 F8
Manaus *Town* Brazil 67 E4
Manchester *Town* New Hampshire, USA 37 J4
Manchester *Town* UK 87 J9
Manchuria *Region* China 175 P5
Manchurian Plain *Region* China 10 K5, 133 L8
Mandalay *Town* Burma 189 C4
Manila *Town* Philippines 196 K3, 265 A5
Manisa *Town* Turkey 145 B7
Manitoba *Province* Canada 27 H11
Manizales *Town* Colombia 59 D3
Mannheim *Town* Germany 95 F9
Maputo *Town* Mozambique 247 I9
Mar del Plata *Town* Argentina 71 K9
Maracaibo *Town* Venezuela 59 E1
Maracaibo, Lake Venezuela 41 F3, 59 E1
Marañón *River* Peru 41 E6, 59 D6
Marathon *Ancient site* Greece 131 F7
Marbella *Town* Spain 100 E8
Mariana Trench Pacific Ocean 10 L8, 265 C4
Maribor *Town* Slovenia 109 G2
Marie Byrd Land *Region* Antarctica 269 D6
Maritsa *River* Bulgaria 127 I12
Mariupol' *Town* Ukraine 121 K8
Maria *Town* Somalia 215 I11
Marmara, Sea of Turkey 145 B5
Maroua *Town* Cameroon 232 F6
Marquesas Islands French Polynesia, Pacific Ocean 11 Q9, 255 R7, 265 H6
Marrakesh *Town* Morocco 208 G4
Marseille *Town* France 97 I9
Marshall Islands *Country* Micronesia, Pacific Ocean 11 N8, 19 N8, 255 J3, 265 D5
Martinique *Dependent territory* Caribbean Sea 45 V13
Maryland *State* USA 37 H7
Masai Steppe *Region* Tanzania 239 I7
Maseru *Town* Lesotho 247 H10
Mashhad *Town* Iran 153 J4
Massachusetts *State* USA 37 J5
Massif Central *Region* France 78 E11, 97 G7
Masterton *Town* New Zealand 262 F7
Matadi *Town* Congo, Dem. Rep. 232 E12
Matanzas *Town* Cuba 44 J5
Mato Grosso, Plateau of Brazil 11 W10, 41 H8, 67 F6
Maturín *Town* Venezuela 59 H1
Maui *Island* Hawaii, USA 33 G14
Mauritania *Country* W. Africa 18 B7, 220 D6
Mauritius *Country* Indian Ocean 18 F10, 203 E7, 205 L12
Mayagüez *Town* Puerto Rico 45 R10
Mayotte *Dependent territory* 18 E10, 203 D7, 205 J10
Mazar-e-Sharif *Town* Afghanistan 161 F8
Mazyr *Town* Belarus 111 J11
Mbabane *Town* Swaziland 247 I9
Mbandaka *Town* Congo, Dem. Rep. 232 G10
Mbeya *Town* Tanzania 239 H10
Mbuj-Mayi *Town* Congo, Dem. Rep. 232 I12
McKinley, Mt. (Denali) *Mountain* Alaska, USA 20 E5, 33 C2
McMurdo *Research station* Antarctica 269 F8
Mead, Lake Arizona/Nevada, USA 33 J11
Mecca *Town* Saudi Arabia 153 B8
Medan *Town* Sumatra, Indonesia 196 B7
Medellín *Town* Colombia 59 D2
Medina *Town* Saudi Arabia 15 C7
Mediterranean Sea 10 C5, 77 J5, 78 G13, 103 F14, 131 H13
Meerut *Town* India 167 F4
Meknes *Town* Morocco 208 H3
Mekong *River* Asia 10 J7, 133 J12, 175 G11, I15, 189 E5, F6, H8
Melaka *Town* Malaysia 189 F16
Melanesia *Region* Pacific Ocean 255 I7, 265 D6
Melbourne *Town* Victoria, Australia 259 K12
Melilla *Spanish enclave* Morocco 209 I2
Melville Island Northwest Territories, Canada 11 TI, 21 I3, 27 F5, 267 D4
Memphis *Town* Tennessee, USA 37 C8
Mendoza *Town* Argentina 71 G7
Mérida *Town* Mexico 39 K7
Mérida *Town* Spain 100 D6
Mérida *Town* Venezuela 59 E2
Mersin *Town* Turkey 145 F8
Mesa *Town* Arizona, USA 33 K12
Meseta *Region* Spain 78 D12
Messina *Town* Italy 103 I12
Mestre *Town* Italy 103 F4
Meuse *River* W. Europe 78 E9, 91 H11, J8, 97 H2
Mexicali *Town* Mexico 39 A1
Mexico *Country* N. America 19 T7, 39 E5
Mexico City *Town* Mexico 39 G8
Mexico, Gulf of 11 U7, 21 L11, 39 I7
Miami *Town* Florida, USA 37 G13
Michigan *State* USA 37 E3
Michigan, Lake USA 21 L9, 37 D4
Micronesia, Federated States of *Country* Pacific Ocean 18 L8, 255 I5, 265 C5
Mid-Atlantic Ridge Atlantic Ocean 77 F5, F7, H10
Mid-Indian Ridge Atlantic Ocean 203 G8
Mid-Pacific Seamounts Pacific Ocean 265 D4
Middelburg *Town* Netherlands 91 F8
Midway Island *Dependent territory* Polynesia, Pacific Ocean 11 O6, 19 O6, 265 E4
Milan *Town* Italy 103 C3
Milford Sound *Town* New Zealand 255 I15, 262 B10
Milwaukee *Town* Wisconsin, USA 35 D4
Minbu *Town* Myanmar 189 B5
Mindanao *Island* Philippines 133 L14, 196 L5
Mindoro *Island* Philippines 196 K3
Minneapolis *Town* Minnesota, USA 35 J4
Minnesota *State* USA 35 J2
Minorca *Island* Balearic Islands, Spain 100 L5
Minsk *Town* Belarus 111 I9
Mississippi *River* USA 11 U6, 21 L9, 35 K4, K10, 37 B3, B9
Mississippi *State* USA 37 C10
Missouri *State* USA 35 K8

Missouri River USA 10 U5, 21 J8, 35 F2, 15, K7
Mitchell, Mt. Tennessee, USA 37 E8
Mitumba Mts. Congo, Dem. Rep. 232 J12
Mobile *Town* Alabama, USA 37 C11
Mogadishu *Town* Somalia 215 J11
Mojave Desert California, USA 33 H11
Moldova *Country* E. Europe 18 D5, 120 E7
Moluccas *Island group* Indonesia 10 K9, 197 N9
Mombasa *Town* Kenya 239 K7
Monaco *Country* Europe 97 J8
Mongolia *Country* E. Asia 18 I5, 175 I5
Monrovia *Town* Liberia 220 D12
Mons *Town* Belgium 91 G10
Mont Blanc *Mountain* France 78 E11, 97 J6
Montana *State* USA 35 D2
Monte Albán *Ancient site* Mexico 39 H9
Montenegro *Country* S.E. Europe 18 D5, 124 I7
Montería *Town* Colombia 59 D1
Monterrey *Town* Mexico 39 G5
Montevideo *Town* Uruguay 71 K8
Montgomery *Town* Alabama, USA 37 D10
Montpelier *Town* Vermont, USA 37 J4
Montpellier *Town* France 97 H9
Montréal *Town* Québec, Canada 29 H7
Monywa *Town* Burma 189 C4
Morar, Loch *Reservoir* UK 87 H4
Moravia *Region* Czech Republic 115 F8
Morocco *Country* N.W. Africa 18 B6, 208 C3
Moroni *Town* Comoros 203 D6
Moscow *Town* Russian Federation 138 C5
Mosel (Moselle) *River* W. Europe 91 K13, 95 E8, 97 I3
Mosquito Coast Panama 41 D2
Mostar *Town* Bosnia and Herzegovina 124 G6
Mosul *Town* Iraq 153 E3
Moulmein *Town* Myanmar 189 D7
Mozambique *Country* Southern Africa 18 E10, 247 J6
Mozambique Channel Madagascar/Mozambique 10 E10, 205 J12
Muang Phitsanulok *Town* Thailand 189 E7
Muchinga Mts. Zambia 239 F12
Mufulira *Town* Zambia 239 E12
Mulhacén *Mountain* Spain 100 F8
Multan *Town* Pakistan 167 D4
Mumbai (Bombay) *Town* India 167 D8 203 G3
Munich *Town* Germany 95 I11
Münitz *Lake* Germany 95 J3
Münster *Town* Germany 95 E5
Murcia *Town* Spain 100 H7
Murmansk *Town* Russian Federation 138 F3
Murray River New South Wales/South Australia, Australia 10 L12, 254 F13, 259 I10
Mururoa Atoll *Island* French Polynesia, Pacific Ocean 255 R10, 265 G7
Musala *Mountain* Bulgaria 127 F12
Muscarene Islands Indian Ocean 10 F10, 203 F8
Muscat *Town* Oman 153 I9
Mwanza *Town* Tanzania 239 G6
Myanmar *Country* S.E. Asia 18 I7, 189 C5
Mycenae *Ancient site* Greece 131 E8
Mykolayiv *Town* Ukraine 120 G8
Mykonos *Island* Greece 131 H8
Mysore *Town* India 167 E11

N

Nay Pyi Taw *Town* Myanmar 189 C6
Ndjamena *Town* Chad 232 F6
Naberezhnyye Chelny *Town* Russian Federation 138 E7
Nacala *Town* Mozambique 247 L5
Naga *Town* Philippines 196 L3
Nagasaki *Town* Japan 185 B12
Nagorno Karabakh *Region* Azerbaijan 121 R14
Nagoya *Town* Japan 185 G9
Nagpur *Town* India 167 F7
Nahik *Town* India 167 D8
Nairobi *Town* Kenya 239 I6
Nakhon Ratchasima *Town* Thailand 189 F8
Nakhon Sawan *Town* Thailand 189 E8
Nakhon Si Thammarat *Town* Thailand 189 E12
Nakuru *Town* Kenya 239 I5
Nam Dinh *Town* Vietnam 189 H5
Namib Desert *Namibia* 10 C10, 205 F12, 247 C7
Namibia *Country* Southern Africa 18 D11, 247 D7
Namp'o *Town* North Korea 175 P7
Nampula *Town* Mozambique 247 L5
Namur *Town* Belgium 91 H10
Nanchang *Town* China 175 N12
Nancy *Town* France 97 I3
Nanjing *Town* China 175 O10
Nanning *Town* China 175 L14
Nantes *Town* France 97 C5
Napier *Town* New Zealand 262 G5
Naples *Town* Italy 103 G9
Nashik *Town* India 167 D8
Nashville *Town* Tennessee, USA 37 D8
Nassau *Town* Bahamas 45 M4
Nasser, Lake Egypt 215 E4
Natal *Region* South Africa 247 I9
Natal *Town* Brazil 67 L5
Nauru *Country* Micronesia, Pacific Ocean 19 N9, 255 J6, 265 D6
Navoiy *Town* Uzbekistan 161 F7
Naxos *Island* Greece 131 I9
Nay Pyi Taw *Town* Myanmar 186 C6
Nazareth *Town* Israel 147 E7
Nazca *Ancient site* Peru 59 D9
Ndola *Town* Zambia 239 E12
Neagh, Lough *Lake* UK 87 G7
Nebraska *State* USA 35 H5
Negev Desert Israel 147 E10
Neiva *Town* Colombia 59 D4
Nelson *Town* New Zealand 262 E7
Nepal *Country* S. Asia 18 H6, 167 H5
Ness, Loch *Lake* UK 87 I4
Netherlands *Country* Europe 18 C4, 91 I7
Nevada *State* USA 33 I9
New Brunswick *Province* Canada 29 I6
New Caledonia *Dependent territory* Melanesia, Pacific Ocean 19 N11, 255 I9, 265 D7
New Delhi *Town* India 167 F4
New Guinea *Island* Indonesia/Papua New Guinea 10 L9, 133 N15, 254 E7, 265 B6
New Hampshire *State* USA 37 K4
New Jersey *State* USA 37 I6
New Mexico *State* USA 35 E9
New Orleans *Town* Louisiana, USA 35 L12
New Plymouth *Town* New Zealand 262 F5
New Siberian Islands Russian Federation 10 L1, 133 N2, 139 O3, 267 H3

New South Wales *State* Australia 259 K10
New York *State* USA 37 I4
New York *Town* New York, USA 37 I6
New Zealand *Country* Australasia 11 N12, 19 N12, 262 E8
Newark *Town* New Jersey, USA 37 I6
Newcastle *Town* New South Wales, Australia 259 L10
Newcastle upon Tyne *Town* UK 87 J7
Newfoundland *Island* Canada 10 X4, 21 P8, 29 K4
Newfoundland *Province* Canada 29 J3
Newfoundland Basin Atlantic Ocean 77 F5
Nha Trang *Town* Vietnam 189 J10
Niagara Falls *Waterfall* Canada/USA 21 M9, 29 G9, 37 G4
Niamey *Town* Niger 221 K8
Nicaragua *Country* Central America 19 U8, 44 F11
Nicaragua, Lake Nicaragua 41 D3, 44 E12
Nice *Town* France 97 J8
Nicobar Islands Indian Ocean 10 H8, 18 H8, 133 I13, 203 I4
Nicosia *Town* Cyprus 145 E9
Niger *Country* W. Africa 18 C7, 221 O7
Niger River W. Africa 10 B8, 205 C5, E6, 221 E9, G8, K9, M11
Niger Delta *River mouth* Nigeria 205 E7, 221 L13
Nigeria *Country* W. Africa 18 C8, 221 M10
Niihau *Island* Pacific Ocean 33 F14
Nijmegen *Town* Netherlands 91 J7
Nile River N.E. Africa 10 E7, 205 H3, I5, 215 E3, E5
Ninety East Ridge Indian Ocean 203 H7
Ningbo *Town* China 175 P11
Nis *Town* Serbia 124 K6
Niue *Dependent territory* Polynesia, Pacific Ocean 19 P10 265 F7
Nizhny Novgorod *Town* Russian Federation 138 D6
Nkongsamba *Town* Cameroon 232 D8
Nome *Town* Alaska, USA 33 B2
Norfolk *Town* Virginia, USA 37 H8
Nord *Research station* Greenland 267 F7
Norfolk Island *Dependent territory* Pacific Ocean 19 N11, 255 J11, 265 D7
Normandy *Region* France 97 D3
North Albanian Alps *Mountain range* Albania/Montenegro 124 H7
North America *Continent* 11 T4, 20–21
North American Basin Atlantic Ocean 77 D5
North Cape Norway 78 H4, 82 J1
North Carolina *State* USA 37 G8
North Dakota *State* USA 35 G2
North European Plain Europe 78 G9
North Frisian Islands Denmark/Germany 95 F1
North Island New Zealand 255 J13, 262 F5
North Korea *Country* E. Asia 18 K5, 175 P6
North Pole Arctic Ocean 267 F5
North Sea Atlantic Ocean 10 C4, 77 I3, 78 E8, 91 F7
North-Eastern Atlantic Basin Atlantic Ocean 77 H4
Northampton *Town* UK 87 K10
Northern Dvina *see* Dvina
Northern Ireland *Region* UK 87 G7
Northern Mariana Islands *Dependent territory* Micronesia, Pacific Ocean 10 L8, 18 L7, 254 F3, 265 C4
Northern Territory *Territory* Australia 259 G6

Northwest Territories *Province* Canada 27 F8
Norway *Country* Europe 18 C3, 82 G6
Norwegian Sea Atlantic Ocean 10 C3, 78 E5, 82 F5
Norwich *Town* UK 87 L10
Nottingham *Town* UK 87 J9
Nouakchott *Town* Mauritania 220 B6
Nova Scotia *Province* Canada 29 J6
Novaya Zemlya *Island group* Russian Federation 10 F2, 79 N2, 138 H3, 267 I7
Novi Sad *Town* Serbia 124 I3
Novokuznetsk *Town* Russian Federation 139 J10
Novosibirsk *Town* Russian Federation 139 I9
Nubian Desert Sudan 205 I4, 215 E5
Nukus *Town* Uzbekistan 161 D6
Nullarbor Plain *Region* Western Australia, Australia 256 F10
Nuremberg *Town* Germany 95 H9
Nyasa, Lake Southern Africa 10 E10, 205 I10, 239 H11, 247 J4

O

Oahu *Island* Pacific Ocean 33 G14, 255 O2
Oakland *Town* California, USA 33 G10
Oaxaca *Town* Mexico 39 H9
Ob' River Russian Federation 10 G3, 132 F4, 133 G6, 138 H6, 139 I8
Oban *Town* UK 87 H5
Odense *Town* Denmark 82 E11
Oder River Germany 78 G9, 95 K4
Odessa *Town* Ukraine 120 F8
Odra River Central Europe 115 D4, F6
Oghomoshu *Town* Nigeria 221 L11
Ohio River USA 37 C7, F6
Ohio *State* USA 37 F6
Okavango River Southern Africa 205 H12, 247 D3
Okavango Delta Botswana 247 F6
Okayama *Town* Japan 185 E10
Okhotsk, Sea of Japan/Russian Federation 10 L4, 133 O6, 139 S7, 185 J1, 265 C2
Okinawa Island Japan 185 A16
Oklahoma *State* USA 35 I9
Oklahoma City *Town* Oklahoma, USA 35 I9
Öland *Island* Sweden 82 H11
Olduvai Gorge Tanzania 239 I7
Oloy Range *Mountain range* Russian Federation 133 Q4, 139 R4
Olympia *Ancient site* Greece 131 C8
Olympia *Town* Washington, USA 33 F5
Olympus, Mt. Greece 131 D4
Omaha *Town* Nebraska, USA 35 I6
Oman *Country* S.W. Asia 18 F7, 153 G11
Oman, Gulf of Arabia/Iran 10 G7, 132 E11, 203 F2
Omdurman *Town* Sudan 215 E7
Omsk *Town* Russian Federation 138 H9
Onega, Lake Russian Federation 10 E3, 78 K6, 138 E4
Onitsha *Town* Nigeria 221 M12
Ontario *Province* Canada 29 D6
Ontario, Lake Canada/USA 21 M9, 29 G8, 37 G4
Oodaaq Island Arctic Ocean 267 F7
Oporto (Porto) *Town* Portugal 100 B3
Oradea *Town* Romania 127 E5
Oran *Town* Algeria 209 J2
Orange River Southern Africa 10 D11, 205 G13, 247 E10, G10

Ore Mountains Czech Republic/
Germany 95 I7, 115 C6
Örebro *Town* Sweden 82 G9
Oregon *State* USA 33 G6
Orenburg *Town* Russian Federation
138 E8
Orinoco *River* Venezuela 41 G4, 59 H2,
F3, G3
Orizaba *see* Citlaltépetl
Orkneys *Island group* UK 78 D7, 87 J2
Orlando *Town* Florida, USA 37 F12
Orléans *Town* France 97 F4
Orsha *Town* Russian Federation 111 K8
Orumiye *Town* Iran 153 F3
Oruro *Town* Bolivia 59 F10
Osaka *Town* Japan 185 F10
Osh *Town* Kyrgyzstan 161 H7
Oshogbo *Town* Nigeria 221 L11
Osijek *Town* Croatia 109 K4
Oslo *Town* Norway 82 F8
Osmaniye *Town* Turkey 145 G8
Osorno *Town* Chile 71 F11
Ostend *Town* Belgium 91 E9
Ottawa *River* Ontario/Quebec, Canada
29 F7
Ottawa *Town* Ontario, Canada 29 G8
Ouagadougou *Town* Burkina 221 I9
Oued Chelif *River* Algeria 209 K2
Oujda *Town* Morocco 209 I3
Oulu *Town* Finland 82 J5
Outer Hebrides *Island group* UK 78 C7,
87 G3
Oviedo *Town* Spain 100 D1
Oxford *Town* UK 87 J10
Oxnard *Town* California, USA 33 H12

P

Pa-an *Town* Myanmar 189 D7
Pacific Ocean 11 Q7, 255 L3, 265 H4
Padang *Town* Sumatra, Indonesia
196 C9
Padua *Town* Italy 103 E4
Pagan *Ancient site* Myanmar 189 C5
Painted Desert Arizona, USA 33 K11
Pakistan *Country* S. Asia 18 G6, 167 B4
Pakokku *Town* Myanmar 189 C5
Pakxé *Town* Laos 189 H9
Palau *Country* Micronesia, Pacific
Ocean 18 L8, 254 D5, 265 B5
Palembang *Town* Sumatra, Indonesia
196 E10
Palenque *Ancient site* Mexico 39 J9
Palermo *Town* Italy 103 G12
Palmerston North *Town* New Zealand
262 F6
Palmyra Atoll *Dependent territory*
Polynesia, Pacific Ocean 19 P8, 255 N5,
265 F5
Palu *Town* Celebes, Indonesia 196 K9
Pamir *River* Afghanistan/Tajikistan
161 H8
Pamirs *Mountain range* Tajikistan
133 G9, 161 H8
Pampas *Region* Argentina 11 W12,
41 G13, 71 H9
Pamplona *Town* Spain 100 H2
Panama *Country* Central America 19 V8,
44 G15
Panama Canal Panama 41 E3, 44 H15
Panama City *Town* Panama 44 I15,
77 C7, 265 L5
Panama, Isthmus of Panama 41 D4
Pancevo *Town* Serbia & Montenegro
124 J4
Pantelleria *Island* Italy 103 E14
Papua (Irian Jaya) *Region* Indonesia
197 R10

Papua New Guinea *Country* Australasia
18 M9, 259 L2
Paraguay *Country* S. America 19 W11,
71 I3
Paraguay *River* S. America 41 H9, 71 J4
Paramaribo *Town* Suriname 59 K3
Paraná *River* Argentina/Paraguay/
Brazil 11 W11, 41 H11, 67 G9, 71 J5, J7
Paranaíba *River* Brazil 41 I9
Paris *Town* France 97 F3
Parma *Town* Italy 103 D5
Parry Islands Northwest Territories,
Canada 21 K3, 27 F4
Pasto *Town* Colombia 59 C4
Patagonia *Region* Argentina 11 V13,
41 F14, 71 H13
Patna *Town* India 167 H6
Patras *Town* Greece 131 C7
Peary Land *Region* Greenland 21 R1,
267 E7
Pec *Town* Kosovo 124 I7
Pegu *Town* Myanmar 189 C7
Peipus, Lake Estonia/Russian
Federation 111 I4
Pekanbaru *Town* Sumatra, Indonesia
196 C9
Pelagie Islands Italy 103 F15
Peléé, Mt. *Volcano* Martinique 41 H2
Peloponnese *Island group* Greece
131 D8
Pematangsiantar *Town* Sumatra,
Indonesia 196 B8
Pennines *Mountain range* UK 87 J7
Pennsylvania *State* USA 37 G5
Penza *Town* Russian Federation 138 C7
Penzance *Town* UK 87 G12
Peoria *Town* Illinois, USA 37 C6
Perm' *Town* Russian Federation 138 F7
Persian Gulf Saudi Arabia/Iran
132 D11, 153 F7, 203 E2
Perth *Town* UK 87 I5
Perth *Town* Western Australia, Australia
258 C10
Peru *Country* S. America 19 V10, 59 C6
Perugia *Town* Italy 103 F7
Peshawar *Town* Pakistan 167 D2
Petah-Tiqwa *Town* Israel 147 E7
Petra *Ancient site* Jordan 147 E10
Philadelphia *Town* Pennsylvania, USA
37 I6
Philippine Sea Philippines 10 K7,
196 L2, 254 C5, 265 B4
Philippines *Country* S.E. Asia 10 K8,
18 K8, 196 K5
Phnom Penh *Town* Cambodia 189 H11
Phoenix Islands Kiribati, Pacific Ocean
11 P9, 255 L6, 265 E6
Phoenix *Town* Arizona, USA 33 J12
Phuket *Town* Thailand 189 D12
Piatra-Neamt *Town* Romania 127 I5
Pico da Neblina *Mountain* Brazil 67 C3
Picton *Town* New Zealand 262 E7
Pierre *Town* South Dakota, USA 35 H4
Pietermaritzburg *Town* South Africa
247 H10
Pietersburg *see* Polokwane
Pinar del Rio *Town* Cuba 44 H5
Pinatubo, Mt. *Volcano* Philippines
196 K2
Pindus Mountains Greece 131 C5
Pingxiang *Town* China 175 M12
Piraeus *Town* Greece 131 F8
Pisa *Town* Italy 103 D6
Pitcairn Islands *Dependent territory*
Polynesia, Pacific Ocean 19 S11,
255 T11, 265 H7
Pitesti *Town* Romania 127 G8
Pittsburgh *Town* Pennsylvania, USA
37 G6
Piura *Town* Peru 59 B6

Pleven *Town* Bulgaria 127 G10
Ploiesti *Town* Romania 127 I8
Plovdiv *Town* Bulgaria 127 G12
Plymouth *Town* UK 87 H12
Po *River* Italy 78 F11, 103 B4, E4
Podgorica *Town* Montenegro 124 H7
Podlasie *Region* Poland 115 K4
Pointe-Noire *Town* Congo 232 E12
Poitiers *Town* France 97 E6
Poland *Country* Central Europe 18 D4,
115 H4
Polokwane (Pietersburg) *Town* South
Africa 247 H10
Poltava *Town* Ukraine 121 I6
Polynesia *Region* Pacific Ocean 255 N9,
265 F7
Pomerania *Region* Germany/Poland
115 E2
Ponce *Town* Puerto Rico 45 S10
Pontchartrain, Lake Louisiana, USA
35 L12
Pontianak *Town* Borneo, Indonesia
196 G9
Pontic Mountains Turkey 145 G5
Poopó, Lake Bolivia 41 G9, 59 F11
Popayán *Town* Colombia 59 C4
Popocatepétl *Volcano* Mexico 39 G8
Port Elizabeth *Town* South Africa
247 G11
Port Harcourt *Town* Nigeria 221 M13
Port Hedland *Town* Western Australia,
Australia 258 C7
Port Louis *Town* Mauritius 203 E7
Port Moresby *Town* Papua New Guinea
259 K3
Port of Spain *Town* Trinidad & Tobago
45 U16
Port Said *Town* Egypt 203 C1, 215 E1
Port Sudan *Town* Sudan 215 F5
Port-au-Prince *Town* Haiti 45 O9
Port-Gentil *Town* Gabon 232 D10
Portland *Town* Oregon, USA 33 F5
Porto *see* Oporto
Pórtó Alegre *Town* Brazil 67 G12
Porto-Novo *Town* Benin 221 K12
Portoviejo *Town* Ecuador 59 B5
Portsmouth *Town* UK 87 J12
Portugal *Country* Europe 18 B5, 100 B6
Posadas *Town* Argentina 71 K5
Potosí *Town* Bolivia 59 G11
Potsdam *Town* Germany 95 J5
Poznań *Town* Poland 115 F4
Prague *Town* Czech Republic 113 D7
Praia *Town* Cape Verde 77 G6
Pravets *Town* Bulgaria 127 G11
Prespa, Lake Albania/Macedonia/
Greece 124 J9, 131 B2
Preston *Town* UK 87 I8
Pretoria *Town* South Africa 247 H8
Prijedor *Town* Bosnia and Herzegovina
124 F3
Prince Edward Island *Province* Canada
29 J6
Prince Edward Islands Indian Ocean
10 E13, 18 E13, 203 E10
Pristina *Town* Kosovo 124 J7
Prizren *Town* Kosovo 124 J7
Prome *Town* Myanmar 189 C6
Provence *Region* France 97 I9
Providence *Town* Rhode Island, USA
37 J5
Pucallpa *Town* Peru 59 D7
Puebla *Town* Mexico 39 H8
Puerto Barrios *Town* Guatemala
44 D9
Puerto Montt *Town* Chile 71 F11
Puerto Natales *Town* Chile 71 G15
Puerto Rico *Dependent territory*
Caribbean Sea 45 S10

Puerto Rico Trench Atlantic Ocean
77 D6
Puerto Santa Cruz *Town* Argentina
71 H14
Puncak Jaya *Mountain* Irian Jaya,
Indonesia 197 R10
Pune *Town* India 167 D8
Punjab *Region* India 167 E3
Punta Arenas *Town* Chile 71 H15
Pusan *Town* South Korea 175 Q8
Putorana Mts. Russian Federation
139 L5
Putrajaya *Town* Malaysia 189 F15
Pyongyang *Town* North Korea 175 P7
Pyrenees *Mountain range* S.W. Europe
78 D11, 97 E10, 100 I2

Q

Qatar *Country* S.W. Asia 18 F7, 153 G8
Qazvin *Town* Iran 153 G4
Qena *Town* Egypt 215 E3
Qingdao *Town* China 175 O9
Qinghai Hu *Lake* China 175 H9
Qiqihar *Town* China 175 O4
Qolleh-ye-Damavand *Mountain* Iran
153 H4
Qom *Town* Iran 153 G4
Qornet es Saouda *Mountain* Lebanon
147 F5
Quang Ngai *Town* Vietnam 189 J8
Québec *Province* Canada 29 G6
Québec *Town* Québec, Canada 29 H7
Queen Charlotte Island British
Columbia, Canada 20 G7, 27 A12
Queen Elizabeth Islands Northwest
Territories, Canada 21 L2, 27 G4,
267 D5
Queen Maud Land *Region* Antarctica
269 F2
Queensland *State* Australia 259 J7
Queenstown *Town* New Zealand
262 B10
Querétaro *Town* Mexico 39 G7
Quezaltenango *Town* Guatemala 44 B9
Quito *Town* Ecuador 59 C5
Quy Nhon *Town* Vietnam 189 J9

R

Rabat *Town* Morocco 208 G3
Rach Gia *Town* Vietnam 189 H11
Rajkot *Town* India 167 C7
Rajshahi *Town* Bangladesh 167 J6
Raleigh *Town* North Carolina, USA
37 G8
Ramlat As Sab'Atayn *Desert* region
Saudi Arabia/Yemen 153 D11
Râmnia Vâlcea *Town* Romania 127 G8
Rancagua *Town* Chile 71 F8
Ranchi *Town* India 167 I7
Rangoon *Town* Myanmar 189 C7
Rangpur *Town* Bangladesh 167 J6
Ras Dashen, Mt. Ethiopia 215 G7
Rasht *Town* Iran 153 G3
Ratchaburi *Town* Thailand 189 E9
Ravenna *Town* Italy 103 F5
Rawalpindi *Town* Pakistan 167 D2
Razim *Lake* Romania 127 L8
Reading *Town* UK 87 J11
Recife *Town* Brazil 67 L5
Red River USA 21 K10, 35 H9
Red Sea 10 E7, 132 B11, 153 A7, 203 D2,
205 J4, 215 F3
Red Volta *River* W. Africa 221 I9
Regina *Town* Saskatchewan, Canada
27 G14
Reni *Town* Ukraine 120 E9

- Rennes Town** France 97 C4
Reno Town Nevada, USA 33 H9
Resistencia Town Argentina 71 J5
Resita Town Romania 127 D7
Resolute Town Northwest Territories, Canada 27 C5, 267 C5
Réunion *Dependent territory* Indian Ocean 18 F11, 203 E7, 205 L12
Revillagigedo Is. *Island group* Mexico 19 S7, 265 I4
Reykjavik Town Iceland 77 G3, 267 D10
Rheims Town France 97 G3
Rhine River W. Europe 10 C4, 78 E9, 91 J7, 95 D6, E10, 97 J3, 106 E7
Rhineland *Region* Germany 95 D8
Rhode Island State USA 37 J5
Rhodes Island Greece 131 L11
Rhodope Mts. Bulgaria/Greece 78 H11, 127 F12
Rhône River Switzerland/France 97 H8, 106 C9
Richmond Town Virginia, USA 37 H7
Rīga Town Latvia 111 G6
Rijeka Town Croatia 109 E4
Rimini Town Italy 103 F5
Rio Cuarte Town Argentina 71 H7
Rio de Janeiro Town Brazil 67 I10
Rio Grande River Mexico/USA 11 T6, 21 J11, 35 F11, 39 G4
Rio Grande de Santiago River Mexico 39 E7
Riobamba Town Ecuador 59 C5
Rivadavia Town Argentina 41 G10, 71 H12
River Plate River Argentina/Uruguay 41 H12, 71 J8
Rivne Town Ukraine 120 D4
Riyadh Town Saudi Arabia 153 E8
Rochester Town Minnesota, USA 35 K4
Rochester Town New York, USA 37 H4
Rockall Island UK, Atlantic Ocean 77 H3
Rockford Town Illinois, USA 37 C5
Rocky Mountains N. America 11 S4, 21 I7, 27 C11, 33 H5, 35 D6
Romania *Country* E. Europe 18 D5, 127 G6
Rome Town Italy 103, F8
Ronne Ice Shelf Antarctica 269 D4
Rosario Town Argentina 71 I7
Roseau Town Dominica 45 V13
Ross Ice Shelf Antarctica 269 E7
Ross Sea Antarctica 269 E8
Rostock Town Germany 95 I2
Rostov-na-Donu Town Russian Federation 138 B7
Rotorua Town New Zealand 255 K13, 262 G4
Rotterdam Town Netherlands 91 H7
Rouen Town France 97 E2
Rudolf, Lake *see* Turkana, Lake
Ruhr River Germany 95 F6
Ruse Town Bulgaria 127 I10
Russian Federation *Country* E. Europe/N. Asia 18 D4, I3, 111 E8, 138–139
Ruwenzori Mts. Uganda/Congo, Dem. Rep. 205 H8, 239 E5
Rwanda *Country* Africa 18 D9, 239 F6
Ryazan Town Russian Federation 138 C6
Ryukyu Islands E. Asia 10 K7, 185 C15
- S**
- Saarbrücken Town** Germany 95 D9
Sabac Town Serbia 124 I4
Sabah *Region* Borneo, Malaysia 196 J7
Sacramento Town California, USA 33 G9
Safi Town Morocco 208 F3
- Sagaing Town** Myanmar 189 C4
Sahara Desert N. Africa 10 C7, 205 D4, 209 M8, 221 H5
Sahel *Region* W. Africa 205 D6, 221 I7, 232 G5
Saimaa Lake Finland 10 D3, 78 I6, 82 K8
St. Étienne Town France 97 H7
St. George's Town Grenada 45 U15
St. George's Channel Ireland/UK 87 G10
St. Helena *Dependent territory* Atlantic Ocean 10 B10, 77 I9, 18 B10
St. John's Town Newfoundland, Canada 29 L4
St. Johns Town Antigua and Barbuda 45 V11
St. Kitts and Nevis *Country* West Indies 19 V7, 45 U11
St. Lawrence River Canada 21 N8, 29 H6
St. Lawrence Seaway Canal Ontario, Canada 29 G8
St. Lawrence, Gulf of Canada 21 O8, 29 I5
St. Louis Town Missouri, USA 35 L7
St. Lucia *Country* Caribbean Sea 19 W8, 45 V14
St. Malo Town France 97 C3
St. Paul Island Indian Ocean 18 H12, 203 G9
St. Paul Town Minnesota, USA 35 K4
St. Petersburg Town Florida, USA 37 F12
St. Petersburg Town Russian Federation 138 D4
St. Pierre and Miquelon *Dependent territory* 19 W5, 29 K5
St. Pierre Town St. Pierre and Miquelon 29 K5
St. Vincent and the Grenadines *Country* Caribbean Sea 18 V8, 45 V14
Sakhalin Island Russian Federation 133 N7, 139 S8
Salamanca Town Spain 100 D4
Salem Town Washington, USA 33 F6
Salisbury Town UK 87 J11
Salt Lake City Town Utah, USA 33 K8
Salta Town Argentina 71 G4
Salvador Town Brazil 67 K7
Salween River Burma/China 175 G11, H14, 189 D5
Salzburg Town Austria 106 H6
Samara Town Russian Federation 138 D7
Samarinda Town Borneo, Indonesia 196 J9
Samarqand Town Uzbekistan 161 F7
Samoa Island Pacific Ocean 255 M8
Samos Island Greece 131 J8
Samothraki Island Greece 131 I3
Samsun Town Turkey 145 G5
San Agustín *Ancient site* Colombia 59 C4
San Ambrosio Isla *Island* Chile 19 V11, 265 K7
San Antonio Town Texas, USA 35 I12
San Bernardino Town California, USA 33 H12
San Cristóbal Town Venezuela 59 E2
San Diego Town California, USA 33 H12
San Felix Isla *Island* Chile 19 V11, 265 K7
San Francisco Town California, USA 21 H10, 33 F10, 265 I3
San Jose Town California, USA 33 G10
San José Town Costa Rica 44 F13
San Juan River Utah, USA 33 K10
San Juan Town Argentina 71 G7
San Juan Town Peru 59 D10
San Juan Town Puerto Rico 45 S10
San Luis Potosí Town Mexico 39 F6
- San Marino** *Country* Europe 18 C5, 103 F6
San Miguel Town El Salvador 44 D10
San Miguel de Tucumán Town Argentina 71 H5
San Pedro Sula Town Honduras 44 D9
San Remo Town Italy 103 B6
San Salvador Town El Salvador 44 C10
San Salvador de Jujuy Town Argentina 71 G4
San'a Town Yemen 153 C11
Sanandaj Town Iran 153 F4
Sandoway Town Myanmar 189 B6
Sankt Gallen Town Switzerland 106 D7
Sankt Pölten Town Austria 106 J5
Sanlıurfa Town Turkey 145 I8
Santa Ana Town California, USA 33 H12
Santa Ana Town El Salvador 44 C10
Santa Clara Town Cuba 45 K6
Santa Cruz Town Bolivia 59 G10
Santa Fe Town Argentina 71 I7
Santa Fe Town New Mexico, USA 35 E9
Santa Marta Town Colombia 59 D1
Santander Town Spain 100 F1
Santiago Town Chile 71 F8, 265 L8
Santiago Town Dominican Republic 45 P9
Santiago Town Spain 100 B2
Santiago de Cuba Town Cuba 45 M8
Santiago del Estero Town Argentina 71 H5
Santo Domingo Town Dominican Republic 45 P10
São Luís Town Brazil 67 I4
São Paulo Town Brazil 67 I10
São Francisco River Brazil 11 X10, 41 K7, 67 I7
São Tomé Town São Tomé and Príncipe 232 C10
São Tomé and Príncipe *Country* Central Africa 18 C9, 232 C10
Sapporo Town Japan 185 H3
Sarajevo Town Bosnia and Herzegovina 124 G5
Saratov Town Russian Federation 138 C7
Sarawak *Region* Borneo, Malaysia 196 H8
Sarawak Chamber *Cave* Borneo, Indonesia 196 I7
Sardinia Island Italy 78 F12, 103 C10
Sargasso Sea Atlantic Ocean 77 E6
Sarh Town Chad 232 G7
Sari Town Iran 153 H4
Sarmiento Town Argentina 41 F14
Saskatchewan Province Canada 27 F12
Saskatoon Town Saskatchewan, Canada 27 F13
Satu Mare Town Romania 127 E4
Saudi Arabia *Country* S.W. Asia 18 E7, 153 D8
Sava River S.E. Europe 78 G11, 109 F3, I4, 124 G4
Savannah Town Georgia, USA 37 F10
Savannakhét Town Laos 189 H8
Scandinavia *Region* N. Europe 82
Schwerin Town Germany 95 H3
Scilly, Isles of UK 87 F12
Scotia Sea Atlantic Ocean 77 E12, 269 C2
Scotland *Region* UK 87 I5
Scott Base *Research station* Antarctica 269 F8
Scutari, Lake Montenegro/Albania 124 H7
Seattle Town Washington, USA 33 G4
Seikan Tunnel *Undersea rail tunnel* Japan 185 H4
Seine River France 78 D10, 97 F3, G3
Selvas *Region* Brazil 41 G7
- Semarang Town** Java, Indonesia 196 G12
Semnan Town Iran 153 H4
Sendai Town Japan 185 I7
Senegal *Country* W. Africa 18 A8, 220 C8
Seoul Town South Korea 175 Q8
Serbia *Country* S.E. Europe 18 D5, 124 I6
Seremban Town Malaysia 189 F15
Serengeti Plain *Region* Tanzania 205 I9
Sétif Town Algeria 209 L2
Sevan Lake Armenia 121 Q14
Sevastopol' *Town* Ukraine 119 H10
Severn River UK 87 I10
Severnaya Zemlya *Island group* Russian Federation 10 I1, 139 L2, 267 H5
Seville Town Spain 78 C13, 100 D7
Seward Peninsula Alaska, USA 20 C5
Seychelles *Country* Indian Ocean 10 F9, 18 F9, 203 E6, 205 K9
Sfax Town Tunisia 209 N3
Shackleton Ice Shelf Antarctica 269 J6
Shamiah Desert Syria 147 I5
Shandong Peninsula China 175 O8
Shanghai Town China 175 P10, 265 A3
Shannon River Ireland 87 F8
Shaoyang Town China 175 O11
Shaoyang Town China 175 M12
Sheffield Town UK 87 J9
Shenyang Town China 175 O6
's-Hertogenbosch Town Netherlands 91 I7
Shetlands *Island group* UK 78 D7, 87 K1
Shijiazhuang Town China 175 M8
Shikoku Island Japan 185 D11
Shinano River Japan 185 G8
Shiraz Town Iran 153 G6
Shkhara Mountain Georgia 121 O12
Shreveport Town Louisiana, USA 35 J10
Shumen Town Bulgaria 127 J10
Šiauliai Town Lithuania 111 F7
Siberia *Region* Russian Federation 10 J3, 133 K5, 139 M7
Sibiu Town Romania 127 G7
Sicily Island Italy 78 G13, 103 G13
Sidi Bel Abbès Town Algeria 209 J2
Siena Town Italy 103 E6
Sierra Leone *Country* W. Africa 18 A8, 220 D10
Sierra Madre Del Sur *Mountain range* Mexico 39 G9
Sierra Madre Occidental *Mountain range* Mexico 21 J11, 39 D5
Sierra Madre Oriental *Mountain range* Mexico 11 T7, 21 J11, 39 F5
Sierra Nevada *Mountain range* California, USA 33 G9
Sierra Nevada *Mountain range* Spain 78 C12, 100 F8
Silesia *Region* Czech Republic/Poland 115 F6
Simferopol' *Town* Ukraine 121 I10
Simpson Desert Northern Territory/South Australia, Australia 254 D11, 259 H8
Sinai Desert Egypt 147 C11, 215 E2
Sinclejo Town Colombia 59 D1
Sindh *Region* Pakistan 167 B5
Singapore *Country* S.E. Asia 18 J9, 189 G16
Sinuiju Town North Korea 175 P7
Sioux Falls Town South Dakota, USA 35 I4
Sistan, Lake Iran 153 J6
Sittwe Town Myanmar 189 A5
Sivas Town Turkey 145 G6
Skagerrak Channel Denmark/Norway 78 F7, 82 E10
Skiáthos Island Greece 131 F6
Skiros Island Greece 131 G6

- Skopje Town** Macedonia 124 J10
Skye Island UK 87 H4
Slavonski Brod Town Croatia 109 J5
Sliven Town Bulgaria 127 I11
Slovakia Country Central Europe 18 D4, 115 H9
Slovenia Country S.E. Europe 18 C5, 109 E3
Smederevo Town Serbia 124 J4
Smolensk Town Russian Federation 138 C5
Snake River Washington/Idaho, USA 21 I9, 33 H5
Society Islands French Polynesia, Pacific Ocean 11 P10, 255 P9, 265 G7
Socotra Island Yemen 133 E13, 203 E3
Sofia Town Bulgaria 127 F11
Sohag Town Egypt 215 E3
Solapur Town India 167 E9
Solomon Islands Country Pacific Ocean 10 M9, 19 N10, 255 J7, 265 D6
Solway Firth Gulf UK 87 I7
Somalia Country E. Africa 18 F8, 215 J10
Somme River France 97 F2
Songkhla Town Thailand 189 E13
Sonoran Desert Arizona, USA/Mexico 11 T6, 21 I10, 33 J12, 39 A1
Sosnowiec Town Poland 115 H7
South Africa Country Southern Africa 18 D11, 247 F9
South America Continent 11 W9, 41
South Australia State Australia 259 H9
South Bend Town Indiana, USA 37 D5
South Carolina State USA 37 F9
South China Sea 10 J7, 133 K13, 189 H12
South Dakota State USA 35 G4
South East Cape Tasmania 10 L13, 254 F15, 259 K13
South Georgia Island group Atlantic Ocean 77 G12
South Island New Zealand 255 J14, 262 B11
South Korea Country S.E. Asia 18 K6, 175 Q8
South Orkney Islands Pacific Ocean 77 F12, 269 B1
South Polar Plateau Region Antarctica 269 G5
South Pole Antarctica 269 F5
South Sandwich Islands Dependent territory Atlantic Ocean 77 G12
South Shetland Islands Atlantic Ocean 77 E12, 269 A1
Southampton Town UK 87 J11
Southeast Indian Ridge Indian Ocean 203 J10
Southeast-on-Sea Town UK 87 K11
Southern Alps Mountain range New Zealand 255 J15, 262 C9
Southern Ocean 265 G10, 269 G1, F9
Southwest Indian Ridge Indian Ocean 203 E9
Soweto Town South Africa 247 H9
Spain Country Europe 18 B5, 100 E5
Spitsbergen Island Norway 267 G8
Split Town Croatia 109 H8
Spokane Town Washington, USA 33 H4
Sporades Island group Greece 131 F5
Springfield Town Illinois, USA 37 C6
Springfield Town Missouri, USA 35 K8
Srebrenica Town Bosnia and Herzegovina 124 H5
Sri Lanka Country S. Asia 10 H8, 18 H8, 133 G14, 167 F13
Srinagar Town India 167 E2
Stanley, Mt. Congo, Dem. Rep. 232 K11
Stanovoy Range Mountain range Russian Federation 133 K6, 139 N9
Stara Zagora Town Bulgaria 127 H12
Stavanger Town Norway 82 D9
Stewart Island New Zealand 255 J15, 262 B12
Stockholm Town Sweden 82 H9
Stockton Town California, USA 33 G10
Stoke-on-Trent Town UK 87 J9
Stonington Island Antarctica 269 B4
Strasbourg Town France 97 J3
Stratford-upon-Avon Town UK 87 J10
Stromboli Volcano Lipari Islands, Italy 103 H11
Stuttgart Town Germany 95 F10
Subotica Town Serbia 124 I2
Suceava Town Romania 127 I4
Sucre Town Bolivia 59 G11
Sudan Country N.E. Africa 18 D7, 215 D6
Sudd Region Sudan 215 D9
Sudeten Mountains Czech Republic/Poland 115 F7
Suez Town Egypt 203 C1, 215 E1
Suez Canal Egypt 203 C1, 215 E1
Suez, Gulf of Egypt 147 C11, 215 E2
Sumatra Island Indonesia 10 I9, 133 J15, 196 C8
Sumbawa Island Indonesia 196 J12
Sunny Town Ukraine 121 I4
Sun City Tourist resort South Africa 247 G8
Superior, Lake Canada/USA 21 L8, 29 D8, 37 D2
Surabaya Town Java, Indonesia 196 H12
Surat Town India 167 D7
Suriname Country S. America 19 W8, 59 J3
Suzhou Town China 175 O11
Svalbard Island group Arctic Ocean 10 C1, 18 C1, 267 G7
Swabian Jura Mountain range Germany 95 F11
Swansea Town UK 87 H10
Swaziland Country Southern Africa 18 E11, 247 I9
Sweden Country Europe 18 C3, 82 G7
Switzerland Country Europe 18 C5, 106 D8
Sydney Town New South Wales, Australia 259 L10, 265 C8
Syracuse Town New York, USA 37 H4
Syria Country S.W. Asia 18 E6, 147 I4
Syrian Desert S.W. Asia 10 E6, 132 C10, 147 H6, 153 D5
- T**
- Ta'if Town** Saudi Arabia 153 B9
Ta'izz Town Yemen 153 C12
Table Mt. South Africa 247 E12
Tabora Town Tanzania 239 G8
Tabriz Town Iran 153 F3
Tacloban Town Philippines 196 L4
Tacna Town Peru 59 E10
Tacoma Town Washington, USA 33 F4
Taegu Town South Korea 175 Q8
Tagus River Spain/Portugal 78 C12, 100 C5, E5
Tahiti Island French Polynesia, Pacific Ocean 11 Q10, 255 P9, 265 G7
Tahoe, Lake California/Nevada, USA 33 G9
Tai'an Town China 175 N9
Taipei Town Taiwan 175 P13
Taiping Town Malaysia 189 E14
Taiwan Country E. Asia 18 K7, 133 L11, 175 P13, 265 A4
Taiyuan Town China 175 L8
Tajikistan Country Central Asia 18 GS, 161 G7
Tajumulco Mountain Guatemala 44 A8
Takla Makan Desert China 10 H5, 133 G9, 174 C8
Talca Town Chile 71 F9
Tallahassee Town Florida, USA 37 E11
Tallinn Town Estonia 111 H3
Tamale Town Ghana 221 I10
Tampa Town Florida, USA 37 F12
Tampere Town Finland 82 J8
Tana, Lake Ethiopia 215 G8
Tanami Desert Australia 254 D9
Tanga Town Tanzania 239 K8
Tanganyika, Lake Central Africa 10 E9, 205 I9, 232 K12, 239 F8
Tanggula Mts. China 175 F11
Tangier Town Morocco 208 H2
Tangshan Town China 175 N8
Tanjungkarang Town Sumatra, Indonesia 196 E11
Tanta Town Egypt 215 D1
Tanzania Country Africa 18 E9, 239 H8
Taranto Town Italy 103 J9
Targoviste Town Romania 127 H8
Târgu Mure Town Romania 127 G6
Tarragona Town Spain 100 J4
Tartu Town Estonia 111 I4
Tashkent Town Uzbekistan 161 G6
Tasman Sea Australia/New Zealand 10 M12, 255 I13, 262 D6, 265 D8
Tasmania Island/State Australia 254 F14, 259 K13
Tassili n'Ajjer Mountain range Algeria 205 E3, 209 M7
Tatar Strait Russian Federation 139 S9
Taunggyi Town Myanmar 189 D5
Taupo Town New Zealand 262 G5
Taupo, Lake New Zealand 262 G5
Tauranga Town New Zealand 262 G4
Taurus Mts. Turkey 10 E5, 145 E8
Tavoy Town Myanmar 189 D9
Taymyr Peninsula Russian Federation 133 I2, 139 K4, 267 I5
Tbilisi Town Georgia 121 P13
Te Anau, Lake New Zealand 262 B10
Tegucigalpa Town Honduras 44 D10
Tehran Town Iran 153 H4
Tel Aviv-Yafo Town Israel 147 E7
Tema Town Ghana 221 J12
Temuco Town Chile 71 F10
Tennessee State USA 37 D8
Tenochtitlán see Mexico City
Teotihuacán Ancient site Mexico 39 G8
Teresina Town Brazil 67 J4
Ternopil' Town Ukraine 120 C5
Tétouan Town Morocco 208 H2
Tetovo Town Macedonia 124 J8
Texas State USA 35 H11
Texcoco, Lake Mexico 39 G8
Thabana-Ntlenyana, Mt. Lesotho 247 H10
Thai Nguyen Town Vietnam 189 H5
Thailand Country S.E. Asia 18 I7, 189 F8
Thailand, Gulf of 10 I8, 189 E10
Thames River UK 78 D9, 87 J11
Thames Town New Zealand 262 G3
Thane Town India 167 D8
Thanh Hoa Town Vietnam 189 H6
Thar Desert India/Pakistan 10 G6, 133 G11, 167 C5
Tharthar, Lake Iraq 153 E4
Thasos Island Greece 131 G3
Thaton Town Burma 189 D7
The Hague Town Netherlands 91 G6
Thessaloniki Town Greece 131 E3
Thimphu Reservoir China 175 L11
Three Gorges Reservoir China 175 L11
Thunder Bay Town Ontario, Canada 29 E7
Thuringian Forest Region Germany 95 H7
Tianjin Town China 175 N8
Tiber River Italy 103 F7
Tiberias, Lake Israel 149 E6
Tibesti Mountain range Chad/Libya 232 G3
Tibet, Plateau of Asia 10 H6, 133 H10
Tibetan Autonomous Region China 174 D10
Tien Shan Mountain range Kyrgyzstan/China 10 H5, 133 H8, 161 I6, 174 C7
Tierra del Fuego Island Argentina/Chile 41 F16, 71 H16
Tigris River S.W. Asia 132 C10, 145 I7, 153 E3
Tijuana Town Mexico 39 A1
Tikal Ancient site Guatemala 44 C7
Tilburg Town Netherlands 91 H8
Timaru Town New Zealand 262 D10
Timbuktu Town Mali 221 H7
Timisoara Town Romania 127 D7
Timor Island Indonesia 133 L16, 196 M12
Timor Sea Australia/Indonesia 10 K10, 197 N13, 254 C8
Tirana Town Albania 124 I9
Tisza River Hungary 78 H10
Titicaca, Lake Bolivia/Peru 11 W10, 41 F8, 59 F10
Toamasina Town Madagascar 203 E7
Toba Volcanic Crater Sumatra, Indonesia 196 B8
Togo Country W. Africa 18 C8, 221 J11
Tokelau Dependent territory Polynesia, Pacific Ocean 19 P9, 255 M7, 265 E6
Tokyo Town Japan 185 H9, 265 B3
Tol'yatti Town Russian Federation 138 D7
Toledo Town Ohio, USA 37 E5
Toledo Town Spain 100 F5
Tomsk Town Russian Federation 139 J9
Tonga Country Polynesia, Pacific Ocean 11 O10, 19 O10, 255 M9, 265 E7
Tongking, Gulf of China/Vietnam 175 L15
Tónlé Sap Lake Cambodia 189 G10
Topeka Town Kansas, USA 35 J7
Torkestan Mts. Afghanistan 161 F9
Toronto Town Ontario, Canada 29 F9
Torres Strait Channel Australia/Papua New Guinea 259 J3
Toulouse Town France 97 F9
Townsville Town Queensland, Australia 259 L6
Trabzon Town Turkey 145 I5
Transantarctic Mts. Antarctica 269 F6
Transvaal Region South Africa 247 H8
Transylvania Region Romania 127 F6
Trenton Town New Jersey, USA 37 I6
Trier Town Germany 95 D8
Trieste Town Italy 103 G3
Triglav Mountain Slovenia 109 D2
Trinidad and Tobago Country Caribbean Sea 19 W8, 45 U16
Trinidad Island Atlantic Ocean 19 Y10, 77 G9
Tripoli Town Lebanon 147 F4
Tripoli Town Libya 209 O4
Tristan Da Cunha Dependent territory Atlantic Ocean 10 A12, 18 B12, 77 H10
Trivandrum Town India 167 E12
Tromsø Town Norway 82 I2
Trondheim Town Norway 82 F6
Tropic of Cancer 11 Z7
Tropic of Capricorn 11 Y11
Troy Ancient site Turkey 145 A6
Trujillo Town Peru 59 C7
Tshwane Town South Africa 247 H8
Tuamotu Island group French Polynesia, Pacific Ocean 11 Q10, 255 Q8
Tucson Town Arizona, USA 33 K13
Tula Town Russian Federation 138 C5
Tulsa Town Oklahoma, USA 35 I8
Tungaru (Gilbert Is.) Kiribati, Pacific Ocean 11 N9, 255 K6, 265 D6
Tunis Town Tunisia 209 N2

Tunisia *Country* N. Africa 18 C6, 209 N3
Turin *Town* Italy 103 B4
Turkana, Lake Ethiopia/Kenya 205 J7, 215 F11, 239 I3
Turkey *Country* W. Asia 18 E5, 145 E6
Türkmenabat *Town* Turkmenistan 161 E7
Türkmenbasy *Town* Turkmenistan 161 B6
Turkmenistan *Country* Central Asia 18 F5, 161 D7
Turks and Caicos Islands *Dependent territory* West Indies 45 P8
Turku *Town* Finland 82 I8
Tuscany *Region* Italy 103 D6
Tuvalu *Country* Pacific Ocean 11 N9, 19 O9, 255 L7, 265 E6
Tuzla *Town* Bosnia and Herzegovina 124 H4
Tyrrhenian Sea S. Europe 103 E9

U

Ubon Ratchathani *Town* Thailand 189 H8
Ucayali *River* Peru 59 D7
Udon Thani *Town* Thailand 189 G7
Ufa *Town* Russian Federation 138 E8
Uganda *Country* Africa 18 E9, 239 G4
Ukraine *Country* E. Europe 18 D4, 121 H6
Ulyanovsk *Town* Russian Federation 138 D7
Ulan Bator *Town* Mongolia 175 J5
Uluru (formerly Ayers Rock) *Sacred site* Northern Territory, Australia 259 G8
Ungava Peninsula Québec, Canada 21 N6
United Arab Emirates *Country* S.W. Asia 18 F7, 153 G9
United Kingdom *Country* Europe 18 B4, 87 H7
United States of America *Country* N. America 19 T5, 33, 35, 37
Uppsala *Town* Sweden 82 H9
Ur *Ancient site* Iraq 153 E5
Ural *River* Kazakhstan 161 B3
Ural Mountains Russian Federation 10 F3, 79 N6, 132 E5, 138 F7
Uralsk *Town* Kazakhstan 161 C2
Urganch *Town* Uzbekistan 161 D6
Urmia, Lake Iran 153 F3
Urosevac *Town* Kosovo 124 J7
Uruguay *Country* S. America 19 W11, 71 K7
Uruguay *River* S. America 41 H11, 71 J6
Ürümqi *Town* China 74 E6
Utah *State* USA 33 K9
Utrecht *Town* Netherlands 91 I6
Uxmal *Ancient site* Mexico 39 K7
Uzbekistan *Country* Central Asia 18 G5, 161 E6

V

Vadodara *Town* India 167 D7
Vaduz *Town* Liechtenstein 106 E7
Valdez *Town* Alaska, USA 33 D2
Valdéz Peninsula Argentina 41 G14, 71 I11
Valdivia *Town* Chile 71 F10
Valencia *Region* Spain 100 H5
Valencia *Town* Spain 100 I5
Valencia *Town* Venezuela 59 F1
Valladolid *Town* Spain E3
Valletta *Town* Malta 103 H15
Valparaiso *Town* Chile 71 F8
Van *Town* Turkey 145 K7
Van, Lake Turkey 145 K6

Vanadzor *Town* Armenia 121 P13
Vancouver *Town* British Columbia, Canada 27 C14, 265 H2
Vancouver Island British Columbia, Canada 21 H8, 27 B14
Vänern, Lake Sweden 78 G7, 82 G9
Vanuatu *Country* Melanesia, Pacific Ocean 11 N10, 19 N10, 255 I9, 265 D6
Varanasi *Town* India 167 H6
Varna *Town* Bulgaria 127 K10
Västerås *Town* Sweden 82 H9
Vatican City *Country* Rome, Italy 18 C5, 103 F8
Vatter, Lake Sweden 78 G7, 82 G10
Velikiy Novgorod *Town* Russian Federation 138 C4
Venezuela *Country* S. America 19 W8, 59 G2
Venice *Town* Italy 103 F4
Vereeniging *Town* South Africa 247 H9
Verkhoyansk Range *Mountain range* Russian Federation 133 M4, 139 O6
Verkhoyansk *Town* Russian Federation 133 M4, 139 P5
Vermont *State* USA 37 J4
Verona *Town* Italy 103 E4
Versailles *Town* France 97 F3
Vesterålen *Island group* Norway 78 G4, 82 H3
Viareggio *Town* Italy 103 D6
Victoria *River* Northern Territory, Australia 259 G5
Victoria *State* Australia 259 J11
Victoria *Town* Seychelles 203 E5
Victoria *Town* Vancouver Island, British Columbia, Canada 27 B14
Victoria Falls *Waterfall* Zambia/Zimbabwe 205 H11, 239 C14, 247 G6
Victoria Island Northwest Territories, Canada 11 T2, 21 I4, 27 F6
Victoria, Lake Tanzania/Uganda/Kenya 10 E9, 205 I8, 239 G5
Victoria Land *Region* Antarctica 269 G8
Columbia, Canada 27 C14
Vienna *Town* Austria 106 K5
Vientiane *Town* Laos 189 G7
Viet Tri *Town* Vietnam 189 H5
Vietnam *Country* S.E. Asia 18 J8, 189 H7
Villavicencio *Town* Colombia 59 E3
Vilnius *Town* Lithuania 111 G8
Viña del Mar *Town* Chile 71 F8
Vinh *Town* Vietnam 189 H6
Vinnitsya *Town* Ukraine 120 E6
Vinson Massif *Mountain* Antarctica 269 D5
Virgin Islands *Dependent territory* Caribbean Sea 45 T10
Virginia *State* USA 37 H7
Visby *Town* Sweden 82 H10
Vishakhapatnam *Town* India 167 H9
Vistula *River* Poland 78 H9, 115 H2, J5, I7
Vitava, Lake Czech Republic 115 D8
Vitoria *Town* Spain 100 G2
Vitsyebsk *Town* Belarus 111 K8
Vladivostok *Town* Russian Federation 139 S11
Vojvodina *Province* Serbia 124 H3
Volga *River* Russian Federation 10 E3, 78 L8, L10
Volgograd *Town* Russian Federation 138 B7
Volta, Lake Ghana 205 D7, 221 I11
Voronezh *Town* Russian Federation 138 B6
Vosges *Mountain range* France 97 I4
Vostok *Research station* Antarctica 269 H8
Vukovar *Town* Croatia 109 K4

W

Waco *Town* Texas, USA 35 I11
Wad Medani *Town* Sudan 215 E7
Waddensee *Sea* Netherlands 91 I4
Waikato *River* New Zealand 262 F4
Waipapakauri *Town* New Zealand 262 E2
Wairau *River* New Zealand 262 E7
Waitaki *River* New Zealand 262 C10
Waitangi *Town* New Zealand 262 F2
Wakatipu, Lake New Zealand 262 B10
Wake Island *Dependent territory* Micronesia, Pacific Ocean 19 N7, 253 J2, 265 D4
Wales *Region* UK 87 H10
Wallis and Futuna *Dependent territory* Polynesia, Pacific Ocean 19 O10, 265 E6
Walvis Bay Namibia 205 F10
Walvis Ridge Atlantic Ocean 77 I10
Wanganui *Town* New Zealand 262 F6
Warsaw *Town* Poland 115 I4
Wash, The North Sea UK 87 K9
Washington *State* USA 33 G4
Washington, D.C. *Town* USA 21 N10, 37 H6
Weddell Sea Antarctica 77 F13, 269 C3
Wellington *Town* New Zealand 262 F7, 265 E8
West Bank *Region* Near East 147 E7
West Frisian Islands Netherlands 91 I3
West Indies *Island group* Atlantic Ocean 41 G1, 77 C6
West Siberian Plain Russian Federation 132 E5, 138 H6
West Virginia *State* USA 37 F7
Western Australia *State* Australia 258 D8
Western Dvina *see* Dvina
Western Ghats *Mountain range* India 167 D10
Western Sahara *Disputed territory* N.W. Africa 18 A7, 208 C7, 220
Samoa *Country* Polynesia, Pacific Ocean 11 O10, 19 O10, 265 E6
Westport *Town* New Zealand 262 D7
Whangarei *Town* New Zealand 262 F2
White Nile *River* E. Africa 205 I6, 215 E7
White Sea Russian Federation 78 J5, 138 F4
White Volta *River* W. Africa 221 I10
Whitehorse *Town* Yukon Territory, Canada 27 B9
Wichita *Town* Kansas, USA 35 I8
Wicklow Mts. Ireland 87 G9
Wiesbaden *Town* Germany 95 F8
Wight, Isle of UK 87 J12
Wilhelm, Mt. Papua New Guinea 254 F7
Wilkes Land *Region* Antarctica 269 I8
Windhoek *Town* Namibia 247 D7
Windsor *Town* Ontario, Canada 29 F6
Windward Islands Caribbean Sea 45 U13
Winnipeg *Town* Manitoba, Canada 27 I14
Wisconsin *State* USA 37 C3
Wollongong *Town* New South Wales, Australia 259 L10
Wolverhampton *Town* UK 87 J10
Wrangel Island Russian Federation 133 S3, 139 Q1, 267 F2
Wroclaw *Town* Poland 115 F6
Wuhan *Town* China 175 M11
Wuppertal *Town* Germany 95 E6
Wuxi *Town* China 175 O10
Wyoming *State* USA 35 E5

X

Xi'an *Town* China 175 K10

Xiamen *Town* China 175 O13
Xiangfan *Town* China 175 L11
Xining *Town* China 175 I9
Xinjiang Uyghur *Autonomous Region* China 174 D6
Xinyang *Town* China 175 M11

Y

Yalta *Town* Ukraine 121 I10
Yamoussoukro *Town* Ivory Coast 221 G12
Yangtze *River* China 10 J6, 133 K10, 175 L11, N11
Yaounde *Town* Cameroon 232 E9
Yarlung Zangbo *see* Brahmaputra
Yaroslavl *Town* Russian Federation 138 D5
Yasuj *Town* Iran 153 G6
Yazd *Town* Iran 153 H6
Yekaterinburg *Town* Russian Federation 138 F7
Yellow River China 10 I5, 133 J9, 175 L8, M9
Yellow Sea China 10 K6, 133 L9, 175 O8
Yellowknife *Town* Northwest Territories, Canada 27 E9
Yellowstone *River* Montana/Wyoming, USA 21 J8, 35 F2
Yemen *Country* S.W. Asia 18 F7, 153 D11
Yenisey *River* Russian Federation 10 H2, 139 K8
Yerevan *Town* Armenia 121 P14
Yichang *Town* China 175 L11
Yinchuan *Town* China 175 J8
Yogyakarta *Town* Java, Indonesia 196 G12
Yokohama *Town* Japan 185 H9
York *Town* UK 87 J8
Yuan *River* China 175 L13
Yucatán Peninsula Mexico 39 K8, 41 C1
Yueyang *Town* China 175 M12
Yukon *River* Canada/USA 11 Q3, 20 E5, 27 A8, 33 D2
Yukon Territory *Province* Canada 27 B8

Z

Zadar *Town* Croatia 109 F6
Zagreb *Town* Croatia 109 G3
Zagros Mts. Iran 10 F6, 132 D10, 153 G6
Zahedan *Town* Iran 153 J7
Zakynthos *Island* Greece 131 B8
Zambezi *River* Southern Africa 10 D10, 205 G11, I11, 239 B14, 247 H5, J5
Zambia *Country* Africa 18 D10, 239 D13
Zamboanga *Town* Philippines 196 L6
Zanzibar *Town* Zanzibar, Tanzania 239 K8
Zanzibar *Island* Tanzania 205 J9, 239 K8
Zaozhuang *Town* China 175 N9
Zaporizhzhya *Town* Ukraine 121 I7
Zaragoza *Town* Spain 100 H3
Zaria *Town* Nigeria 221 M10
Zenica *Town* Bosnia and Herzegovina 124 G5
Zhengzhou *Town* China 175 M10
Zhytomyr *Town* Ukraine 120 E5
Zibo *Town* China 175 N9
Zimbabwe *Country* Southern Africa 18 D10, 247 H6
Zonguldak *Town* Turkey 145 D5
Zrenjanin *Town* Serbia 124 I3
Zugspitze *Mountain* Germany 95 H12
Zurich *Town* Switzerland 106 D7
Zwolle *Town* Netherlands 91 J5

ACKNOWLEDGMENTS

Additional editorial assistance:

Bernadette Crowley, Christiane Gunzi, Terry Martin

Additional design assistance: Diane Clouting

Index and gazetteer: Lynn Bresler

Additional picture research: Giselle Harvey

DK Picture Researchers: Sarah Mills and Rose Horridge

Additional DTP assistance: Nicky Studdart

Film outputting: Brightside, London

**DK would like to thank the following people and organizations
for their help in the production of this book.**

Action Aid; The Algerian Embassy, London; The Arab British Center, London; The Argentinian Embassy, London; The Australian High Commission, London; The Australian Tourist Commission, London; BP Exploration, London; The Belgium Embassy, London; The Brazilian Embassy, London; Bridgestone Corporation, Belgium; British Airways Holidays, West Sussex; The British Consulate General, Rio De Janeiro; The British Embassy, Argentina; The British Embassy, Philippines; The British Museum Education Service, London; The Bulgarian Embassy, London; C. P. Rail System, Montreal, Canada; Chamber of Mines of South Africa, Johannesburg, South Africa; China National Tourist Administration, London; Coal World Magazine; The Coffee Museum, London; Cotton Council International, London; The Council for the Advancement of Arab-British Understanding, London; Cyprus Olive Products, Cyprus; The Cyprus Tourist Board, London; The Danish Embassy, London; De Beers, London; The Embassy of Ecuador, London; The Embassy of Jordan, London; The Embassy of Mexico, London; The Embassy of the Republic of Estonia, London; The Embassy of the Republic of Yemen, London; The Embassy of the Syrian Arab Republic, London; Farmers Weekly; The Financial Times, London; The Finnish Embassy, London; The Football Association, London; Sir Norman Foster and Partners, London; Fyffes Group Ireland Ltd.; Joss Graham; I. Hennig and Co. Ltd., London; Hong Kong Government Office, London; The Indonesian Trade Center, London; Institute of Civil Engineers, London; International Cocoa Organization, London; International Coffee Organization, London; International Cotton Advisory Committee, Washington, DC; Israeli Government Tourist Board, London; The Jordan Information Bureau, London; Kew Gardens, London; Kibbutz Representatives, London; The Latvian Embassy, London; The Lithuanian Embassy, London; The Luxembourg Embassy, London; The Macao Tourist Information Bureau, London; The Malaysian Rubber Research and Development Board; Menelik Restaurant, London; The Ministry of Agriculture, Grenada; The Ministry of Tourism, Mexico; The Moroccan Embassy, London; Moss and Co., Timber Importers, London; The Museum of Mankind, London; The National Cotton Council of America, Memphis, Tennessee; Neal Street East, London; Northern Territory House, London; The Royal Norwegian Embassy, London; Oxfam, Oxford; Pilsner Urquell, Czech Republic; Portuguese Trade and Tourism Office, London; The Queensland Tourist and Travel Corporation, London; Railway Gazette International; The Romanian Embassy, London; The School of African and Oriental Studies, University of London; Science Museum Library, London; The Swedish Embassy, London; The Swiss Embassy, London; The Taipei Representative's Office, London; The Trade Delegation of the Russian Federation in the United Kingdom; The Tunisian Embassy, London; The Turkish Information Office, London; Marion Turnock; Joan Twelves; UNICEF, Kampala; United Nations High Commissioner for Refugees, London; Valley of the Kings Restaurant, London; Wine and Spirit Education Trust, London.