



NATIONAL  
GEOGRAPHIC

# Concise Atlas of the World

FOURTH EDITION

THE ULTIMATE COMPACT RESOURCE GUIDE  
WITH MORE THAN 450 MAPS AND ILLUSTRATIONS

# Table of Contents

## 8 Key to Atlas Maps

## 10 Using this Atlas

Map Policies • Physical Maps • Political Maps • World Thematic Maps  
• Flags and Facts • Index and Grid • Map Symbols

## 12 WORLD



### 14 Satellite

### 16 Physical

### 18 Political

### 20 Ocean Floor

### 22 Limits of the Oceans and Seas

### 24 The Poles

### 26 Paleogeography

Continents Adrift in Time • Geologic Time

### 28 Structure of the Earth

Plate Boundaries • Earthquakes, Volcanoes, and Hot Spots • Interior of the Earth • Geologic Forces Change the Face of the Planet

### 30 Landforms

Major Landforms • Endogenic Landforms • Exogenic Landforms • Other Landforms • Landforms Created by Wind • Landforms Created by Water • Landforms Created by Ice

### 34 Land Cover

Global Land Cover Composition

### 36 Freshwater

World of Rivers • Water Availability • Mapping Irrigation • Renewable Freshwater Resources • Safe Drinking Water

### 38 Climate

January and July Solar Energy, Average Temperature, Cloud Cover, Precipitation • Climate Change • Taking the Planet's Rising Temperature • Rising Temperatures and CO<sub>2</sub> • Shrinking Polar Ice • Climographs

### 42 Biodiversity

The Natural World • Species Diversity • Biodiversity Hotspots • Threatened Species • Conservation Status of Terrestrial Ecoregions

### 44 Human Influences

Anthromes • Human Influence Index • Last of the Wild • Human Influences Over Time • Planetary Stewardship

### 46 Population

Population Density • Population Pyramids • Regional Population Growth Disparities • Fertility • Urban Population Densities • Urban Population Growth • Life Expectancy • Migration • Population Growth

### 50 Languages

Language Families • Evolution of Languages • How Many Speak What? • Mapping Language Diversity • Vanishing Languages

### 52 Religions

Dominant Religion • Christianity • Islam • Hinduism • Buddhism • Ethno-Religionism • Judaism • By the Numbers

### 54 Health and Education

Health Care Availability • Income Levels: Indicators of Health and Literacy • Access to Improved Sanitation • Nutrition • HIV • Global Disease Burden • Under-Five Mortality • Maternal Mortality • Education and Literacy • School Enrollment for Girls • Developing Human Capital

### 56 Economy

Dominant Economic Sector • Value Added, by Activity •

Human Development Index • Top GDP Growth Rates • The World's Richest and Poorest Countries • Gross Domestic Product • Global Innovation Index • Major Exporters

### 58 Trade

World Economies and Trade • Growth of World Trade • Merchandise Exports • Main Trading Nations • World Debt • Trade Blocs • Trade Flow: Fuels

### 60 Food

Agriculture's Footprint • Where Crop Yields Could Improve • How Our Crops Are Used • Distribution of Major Crops and Livestock • Fishing and Aquaculture • World Food Production • Food Security • Genetically Modified Crops • Caloric Supply

### 64 Energy

Energy Consumption by Leading Source • Energy Production by Fuel Type • Energy Production by Region • Renewable Resources • Balancing Consumption and Production • Renewable Leaders

### 66 Environmental Stresses

Land Degradation and Desertification • Deforestation • Pollution • Water Scarcity • Depletion of the Ozone Layer

### 68 Geographic Comparisons

Planet Facts • Planetary Extremes • Area of Each Continent • Largest Islands by Area • Lowest Surface Point on Each Continent • Highest Point on Each Continent • Mountains and Caves • Geopolitical Extremes • Engineering Wonders • Deepest Point in Each Ocean • Area of Each Ocean • Largest Seas by Area • Largest Lakes by Area • Longest Rivers • Largest River Drainage Basins by Area

### 70 Time Zones

Time Zones • Meridian of Greenwich • International Date Line

## 72 NORTH AMERICA



### 74 Physical

### 76 Political

### 78 Human and Natural Themes

Population Density • Energy Consumption • Land Cover • Climatic Zones • Natural Hazards • Water Availability

### 80 United States Physical

### 82 United States Political

### 84 Human and Natural United States

Temperature and Precipitation • Land Use and Land Cover • Population • National Park Service Lands

### 86 Flags and Facts

**COUNTRIES:** Antigua and Barbuda, Bahamas, Barbados, Belize, Canada, Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, Grenada, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, United States

**DEPENDENCIES:** Anguilla, Aruba, Bermuda, British Virgin Islands, Cayman Islands, Curaçao, Greenland, Guadeloupe, Martinique, Montserrat, Puerto Rico, St.-Barthélemy, St.-Martin, St.-Pierre and Miquelon, Sint Maarten, Turks and Caicos Islands, Virgin Islands

### 88 United States' State Flags

### 89 Protected Areas

## 90 SOUTH AMERICA



### 92 Physical

### 94 Political

## 96 Human and Natural Themes

Population Density • Energy Consumption • Land Cover • Climatic Zones • Natural Hazards • Water Availability

## 98 Flags and Facts

COUNTRIES: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela

DEPENDENCIES: Falkland Islands, French Guiana

## 99 Protected Areas

## 100 EUROPE



### 102 Physical

### 104 Political

### 106 Human and Natural Themes

Population Density • Energy Consumption • Land Cover • Climatic Zones • Natural Hazards • Water Availability

### 108 Flags and Facts

COUNTRIES: Albania, Andorra, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic (Czechia), Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland (Éire), Italy, Kosovo, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Vatican City

DEPENDENCIES: Faroe Islands, Gibraltar, Guernsey, Isle of Man, Jersey, Svalbard

## 111 Protected Areas

## 112 ASIA



### 114 Physical

### 116 Political

### 118 Human and Natural Themes

Population Density • Energy Consumption • Land Cover • Climatic Zones • Natural Hazards • Water Availability

### 120 Flags and Facts

COUNTRIES: Afghanistan, Armenia, Azerbaijan, Bahrain, Bangladesh, Bhutan, Brunei, Cambodia, China, Georgia, India, Indonesia, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Laos, Lebanon, Malaysia, Maldives, Mongolia, Myanmar (Burma), Nepal, North Korea, Oman, Pakistan, Philippines, Qatar, Saudi Arabia, Singapore, South Korea, Sri Lanka, Syria, Tajikistan, Thailand, Timor-Leste (East Timor), Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Vietnam, Yemen

DISPUTED TERRITORIES: Gaza Strip, Taiwan, West Bank

## 123 Protected Areas

## 124 AFRICA



### 126 Physical

### 128 Political

### 130 Human and Natural Themes

Population Density • Energy Consumption • Land Cover • Climatic Zones • Natural Hazards • Water Availability

### 132 Flags and Facts

COUNTRIES: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, Côte d'Ivoire (Ivory Coast), Democratic Republic of the Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau,

Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe

DEPENDENCIES: Mayotte, Réunion, St. Helena

DISPUTED TERRITORY: Western Sahara

## 135 Protected Areas

## 136 AUSTRALIA AND OCEANIA



### 138 Australia Physical

### 140 Australia Political

### 142 Oceania Political

### 144 Human and Natural Themes

Population Density • Energy Consumption • Land Cover • Climatic Zones • Natural Hazards • Water Availability

### 146 Flags and Facts

COUNTRIES: Australia, Fiji, Kiribati, Marshall Islands, Micronesia, Nauru, New Zealand, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

DEPENDENCIES: American Samoa, Cook Islands, French Polynesia, Guam, New Caledonia, Niue, Northern Mariana Islands, Pitcairn Islands, Tokelau, Wallis and Futuna

UNINHABITED DEPENDENCIES: Baker Island, Coral Sea Islands, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Palmyra Atoll, Wake Island

## 148 Protected Areas

## 150 ANTARCTICA



### 152 Physical

## 154 SPACE

### 156 The Moon

### 158 Inner Solar System

Mapping the Solar System • Sizing Up the Terrestrial Planets • Mercury • Venus • Earth • Mars • Sun

### 160 Outer Solar System

Jupiter • Saturn • Uranus • Neptune • Pluto • Planetary Comparison • Asteroids • Comets

### 162 The Universe

Looking Back in Time for Origins • Our Local Galaxy Group • Local Supercluster • Galaxy Companions • Our Sun's Neighborhood • Our Solar System

## 164 APPENDIX

### 164 Map and Index Abbreviations

### 165 Metric Conversions

### 166 Foreign Terms

### 168 Glossary of Geographic Terms

### 171 Place-Name Index

### 196 Moon Index

### 198 Acknowledgments

Consultants, Credits, and Sources • Key to Flags and Facts