

# CONTENTS

The Challenge of COVID-19 . . . . .	vii
Publisher's Note . . . . .	ix
Introduction . . . . .	xi
Contributors . . . . .	xv

## Regions

Overview . . . . .	3
The History of Geography . . . . .	3
Mapmaking in History . . . . .	6
Mapmaking and New Technologies . . . . .	10
The Continent . . . . .	13
The Offshore Islands . . . . .	25

## Physical Geography

Overview . . . . .	33
Climate and Human Settlement . . . . .	33
Flood Control . . . . .	35
Atmospheric Pollution . . . . .	38
Disease and Climate . . . . .	40
Physiography . . . . .	43
Climatology . . . . .	55
Hydrology . . . . .	63

## Biogeography and Natural Resources

Overview . . . . .	71
Minerals . . . . .	71
Renewable Resources . . . . .	74
Nonrenewable Resources . . . . .	76
Natural Resources . . . . .	79
Flora . . . . .	93
Fauna . . . . .	103

## Human Geography

Overview . . . . .	115
The Human Environment . . . . .	115
Population Growth and Distribution . . . . .	118
Global Urbanization . . . . .	120
People . . . . .	125
Population Distribution . . . . .	133
Culture Regions . . . . .	139
Exploration . . . . .	147
Urbanization . . . . .	157
Political Geography . . . . .	165

## Economic Geography

Overview . . . . .	177
Traditional Agriculture . . . . .	177
Commercial Agriculture . . . . .	179
Modern Agricultural Problems . . . . .	181
World Food Supplies . . . . .	184
Agriculture . . . . .	189
Industries . . . . .	201

Engineering Projects . . . . .	207
Transportation . . . . .	215
Communications . . . . .	225

<b>Gazetteer</b> . . . . .	231
----------------------------	-----

## Appendix

The Earth in Space . . . . .	271
The Solar System . . . . .	271
Earth's Moon . . . . .	275
The Sun and the Earth . . . . .	277
The Seasons . . . . .	279
Earth's Interior . . . . .	281
Earth's Internal Structure . . . . .	281
Plate Tectonics . . . . .	283
Volcanoes . . . . .	289
Geologic Time Scale . . . . .	293
Earth's Surface . . . . .	297
Internal Geological Processes . . . . .	297
External Processes . . . . .	299
Fluvial and Karst Processes . . . . .	302
Glaciation . . . . .	304
Desert Landforms . . . . .	307
Ocean Margins . . . . .	309
Earth's Climates . . . . .	311
The Atmosphere . . . . .	311
Global Climates . . . . .	315
Cloud Formation . . . . .	320
Storms . . . . .	323
Earth's Biological Systems . . . . .	327
Biomes . . . . .	327
Natural Resources . . . . .	331
Soils . . . . .	331
Water . . . . .	334
Exploration and Transportation . . . . .	337
Exploration and Historical Trade Routes . . . . .	337
Road Transportation . . . . .	340
Railways . . . . .	342
Air Transportation . . . . .	345
Energy and Engineering . . . . .	347
Energy Sources . . . . .	347
Alternative Energies . . . . .	351
Engineering Projects . . . . .	353
Industry and Trade . . . . .	357
Manufacturing . . . . .	357
Globalization of Manufacturing and Trade . . . . .	359
Modern World Trade Patterns . . . . .	362
Political Geography . . . . .	367
Forms of Government . . . . .	367
Political Geography . . . . .	370
Geopolitics . . . . .	372

National Park Systems . . . . .	377	World's Smallest Countries by Area . . . . .	411
Boundaries and Time Zones . . . . .	381	World's Largest Countries by Population . .	412
International Boundaries . . . . .	381	World's Smallest Countries by Population . .	413
Global Time and Time Zones . . . . .	384	World's Most Densely Populated Countries . .	414
Global Education . . . . .	387	World's Least Densely Populated Countries . .	415
Themes and Standards in Geography		World's Most Populous Cities . . . . .	416
Education . . . . .	387	Major Lakes of the World . . . . .	417
Global Data . . . . .	389	Major Rivers of the World . . . . .	418
World Gazetteer of Oceans and Continents . .	389	Highest Peaks in Each Continent . . . . .	421
World's Oceans and Seas . . . . .	401	Major Deserts of the World . . . . .	422
Major Land Areas of the World . . . . .	402	Highest Waterfalls of the World . . . . .	423
Major Islands of the World . . . . .	403		
Countries of the World . . . . .	404	Glossary . . . . .	425
Past and Projected World Population		Bibliography . . . . .	473
Growth, 1950-2050 . . . . .	409	Index . . . . .	477
World's Largest Countries by Area . . . . .	410		