

# Brief Content

- 1 Introduction: Some Background Basics 1

## *Part One*

### Themes and Fundamentals of Human Geography 30

- 2 Roots and Meaning of Culture: Introduction 30  
3 Spatial Interaction and Spatial Behavior 57  
4 Population: World Patterns, Regional Trends 88

## *Part Two*

### Patterns of Diversity and Unity 122

- 5 Language and Religion: Mosaics of Culture 122  
6 Ethnic Geography: Threads of Diversity 164  
7 Folk and Popular Culture: Diversity  
and Uniformity 200

## *Part Three*

### Dynamic Patterns of the Space Economy 233

- 8 Livelihood and Economy: Primary Activities 233  
9 Livelihood and Economy: From Blue Collar  
to Gold Collar 272  
10 Patterns of Development and Change 307

## *Part Four*

### Landscapes of Functional Organization 339

- 11 Urban Systems and Urban Structures 339  
12 The Political Ordering of Space 383

## *Part Five*

### Human Actions and Environmental Impacts 419

- 13 Human Impacts on Natural Systems 419

## APPENDICES

- A: Map Projections 453  
B: 2008 World Population Data 461  
C: Canada, Mexico and United States  
reference map 468

- Glossary 469  
Credits 481  
Index 483

# Contents

*List of Boxes* viii  
*Preface* ix

## One

INTRODUCTION:  
SOME BACKGROUND BASICS 1

*Key Concepts* 1  
*Getting Started* 2  
*What Is Geography?* 2  
*Evolution of the Discipline* 2  
*Geography and Human Geography* 4  
*Human Geography* 5  
*Background Basics* 5  
*Core Geographic Concepts* 5  
*Location, Direction, and Distance* 6  
*Size and Scale* 10  
*Physical and Cultural Attributes* 11  
*The Changing Attributes of Place* 11  
*Interrelations between Places* 13  
*The Structured Content of Place* 14  
*Place Similarity and Regions* 15  
*Maps* 16  
*Map Scale* 18  
*The Globe Grid* 18  
*How Maps Show Data* 19  
*Contemporary Geospatial Technologies* 22  
*Remote Sensing* 22  
*Geographic Information Systems (GIS)* 23  
*Mental Maps* 25  
*Systems, Maps, and Models* 25  
*The Structure of This Book* 27  
*Summary* 27  
*Key Words* 28  
*For Review* 28  
*Key Concepts Review* 28

## Part One

### THEMES AND FUNDAMENTALS OF HUMAN GEOGRAPHY 30

## Two

ROOTS AND MEANING  
OF CULTURE: INTRODUCTION 30

*Key Concepts* 30  
*Components of Culture* 32  
*Interaction of People and Environment* 34  
*Environments as Controls* 34  
*Human Impacts* 35  
*Roots of Culture* 37  
*Seeds of Change* 39  
*Agricultural Origins and Spread* 40  
*Neolithic Innovations* 42  
*Culture Hearths* 44  
*The Structure of Culture* 46  
*Culture Change* 49  
*Innovation* 49  
*Diffusion* 50  
*Acculturation and Cultural Modification* 52  
*Contact between Regions* 53  
*Summary* 55  
*Key Words* 56  
*For Review* 56  
*Key Concepts Review* 56

## Three

SPATIAL INTERACTION  
AND SPATIAL BEHAVIOR 57  
*Key Concepts* 57

*Bases for Interaction* 58  
*A Summarizing Model* 58  
*Measuring Interaction* 60  
*Human Spatial Behavior* 63  
*Individual Activity Space* 63  
*The Tyranny of Time* 64  
*Distance and Human Interaction* 65  
*Spatial Interaction and the Accumulation of Information* 68  
*Information and Perception* 70  
*Migration* 73  
*Principal Migration Patterns* 74  
*Types of Migration* 75  
*Controls on Migration* 77  
*Globalization* 85  
*Summary* 86  
*Key Words* 86  
*For Review* 86  
*Key Concepts Review* 87

## Four

POPULATION: WORLD PATTERNS,  
REGIONAL TRENDS 88

*Key Concepts* 88  
*Population Growth* 89  
*Some Population Definitions* 91  
*Birth Rates* 91  
*Fertility Rates* 92  
*Death Rates* 96  
*Population Pyramids* 98  
*Natural Increase and Doubling Times* 101  
*The Demographic Transition* 102  
*The Western Experience* 104  
*A Divided World Converging* 105  
*The Demographic Equation* 107  
*Population Relocation* 109  
*Immigration Impacts* 109  
*World Population Distribution* 110  
*Population Density* 112

*Overpopulation* 112  
*Urbanization* 114  
 Population Data and Projections 115  
     *Population Data* 115  
     *Population Projections* 116  
 Population Controls 116  
 Population Prospects 118  
     *Momentum* 118  
     *Aging* 119  
  
*Summary* 120  
*Key Words* 120  
*For Review* 120  
*Key Concepts Review* 121

## Part Two

### PATTERNS OF DIVERSITY AND UNITY 122

#### Five

LANGUAGE AND RELIGION:  
 MOSAICS OF CULTURE 122  
  
*Key Concepts* 122  
 The Geography of Language 123  
 Classification of Languages 124  
 World Pattern of Languages 127  
     *Language Spread* 127  
 Language Change 128  
     *The Story of English* 131  
 Standard and Variant Languages 131  
     *Standard Language* 131  
     *Dialects* 133  
     *Pidgins and Creoles* 135  
     *Lingua Franca* 137  
     *Official Languages* 137  
 Language, Territoriality, and Cultural  
 Identity 139  
 Language on the Landscape:  
     *Toponymy* 142  
 Religion and Culture 143  
 Patterns of Religion 143  
 Classification of Religion 144  
 Patterns and Flows 145  
     *The World Pattern* 145  
 The Principal Religions 147  
     *Judaism* 147  
     *Christianity* 148  
     *Islam* 151  
     *Hinduism* 155

*Buddhism* 156  
*East Asian Ethnic Religions* 158  
*Change and Diversity in the  
 Geography of Religion* 159  
  
*Summary* 161  
*Key Words* 162  
*For Review* 162  
*Key Concepts Review* 163

#### Six

ETHNIC GEOGRAPHY:  
 THREADS OF DIVERSITY 164  
  
*Key Concepts* 164  
 Ethnic Diversity and Separatism 166  
 Immigration Streams 168  
 Acculturation and Assimilation 171  
 Areal Expressions of Ethnicity 173  
     *Charter Cultures* 174  
     *Ethnic Clusters* 176  
     *Black Dispersions* 178  
     *Hispanic Concentrations* 180  
     *Asian Contrasts* 182  
     *Immigrant Gateways  
     and Clusters* 183  
     *French Uniformity* 183  
 Urban Ethnic Diversity  
     and Segregation 184  
     *External Controls* 186  
     *Internal Controls* 187  
     *Shifting Ethnic Concentrations* 187  
     *Typologies and Spatial Results* 189  
     *Native-Born Dispersals* 190  
 Cultural Transfer 191  
 The Ethnic Landscape 193  
     *Land Survey* 193  
     *Settlement Patterns* 195  
     *Ethnic Regionalism* 196

*Summary* 198  
*Key Words* 198  
*For Review* 198  
*Key Concepts Review* 199

#### Seven

FOLK AND POPULAR  
 CULTURE:  
 DIVERSITY  
 AND UNIFORMITY 200  
  
*Key Concepts* 200  
 Folk Cultural Diversity  
     and Regionalism 202

Anglo American Hearths 203  
 Folk Building Traditions  
     and Hearths 205  
 Architectural Diffusions 210  
 Nonmaterial Folk Culture 211  
     *Folk Food and Drink  
     Preferences* 212  
     *Folk Music* 213  
     *The Oral Folk Tradition* 215  
 Folk Cultural Regions of Eastern  
     United States 215  
 The Passing of Folk Cultural  
     Regionalism 217  
 Patterns of Popular Culture 217  
 National Uniformities  
     and Globalization 218  
 Our Material Culture Focus 221  
     *The Shopping Mall* 221  
     *Outside the Mall* 222  
 Regional Differences 222  
     *Drink and Music* 225  
 Vernacular Regions 229  
  
*Summary* 230  
*Key Words* 231  
*For Review* 231  
*Key Concepts Review* 231

## Part Three

### DYNAMIC PATTERNS OF THE SPACE ECONOMY 233

#### Eight

LIVELIHOOD AND ECONOMY:  
 PRIMARY ACTIVITIES 233  
  
*Key Concepts* 233  
 The Classification of Economic Activity  
     and Economies 234  
     *Categories of Activity* 234  
     *Types of Economic Systems* 236  
 Primary Activities: Agriculture 238  
     *Subsistence Agriculture* 238  
     *Commercial Agriculture* 247  
 Primary Activities: Resource  
     Exploitation 257  
     *Resource Terminology* 257  
     *Fishing* 258  
     *Forestry* 260  
     *Mining and Quarrying* 262  
 Trade in Primary Products 267

Summary 269  
Key Words 270  
For Review 270  
Key Concepts Review 270

## Nine

### LIVELIHOOD AND ECONOMY: FROM BLUE COLLAR TO GOLD COLLAR 272

Key Concepts 272  
Components of the Space Economy 274  
    *Concepts and Controls* 274  
Secondary Activities: Manufacturing 275  
    *Locational Decisions in Manufacturing* 275  
    *Transportation and Location* 279  
    *Industrial Location Theories* 280  
    *Other Locational Considerations  
    and Controls* 282  
    *Transnational Corporations* 288  
World Manufacturing Patterns  
and Trends 288  
    *Anglo America* 290  
    *Western and Central Europe* 292  
    *Eastern Europe* 293  
    *Eastern Asia* 294

High-Tech Patterns 296  
Tertiary and Beyond 298  
    *Tertiary Services* 299  
    *Quaternary and Quinary Activities* 301  
Services in World Trade 301

Summary 304  
Key Words 304  
For Review 305  
Key Concepts Review 305

## Ten

### PATTERNS OF DEVELOPMENT AND CHANGE 307

Key Concepts 307  
Development as a Cultural  
Variable 308  
Dividing the Continuum: Definitions  
of Development 309  
    *Explanations of  
    Underdevelopment* 311  
    *The Core-Periphery Argument* 312  
Millennium Development Goals 313  
Economic Measures  
of Development 313  
    *The Diffusion of Technology* 316

*The Complex of Development* 317  
*Gross National Income and PPP  
per Capita* 318  
*Energy Consumption per Capita* 319  
*Percentage of the Workforce Engaged  
in Agriculture* 320  
*Poverty, Calories, and Nutrition* 322  
*Composite Assessment of Economic  
Development* 322  
*A Model for Economic  
Development* 323  
Noneconomic Measures  
of Development 326  
    *Education* 326  
    *Public Services* 327  
    *Health* 328  
Aggregate Measures of Development  
and Well-Being 330  
The Role of Women 332  
Summary 337  
Key Words 337  
For Review 337  
Key Concepts Review 338

## Part Four

### LANDSCAPES OF FUNCTIONAL ORGANIZATION 339

## Eleven

### URBAN SYSTEMS AND URBAN STRUCTURES 339

Key Concepts 339  
An Urbanizing World 340  
    *Megacities and Merging  
    Metropolises* 341  
Settlement Roots 342  
Origins and Evolution of Cities 344  
    *The Nature of Cities* 345  
    *The Location of Urban  
    Settlements* 346  
    *The Economic Base* 346  
The Functions of Cities 348  
    *Cities as Central Places* 349  
Systems of Cities 351  
    *The Urban Hierarchy* 351  
    *World Cities* 352  
    *Rank-Size and Primacy* 352  
    *Network Cities* 353

Inside the City 354  
    *Defining the City Today* 354  
    *Patterns of Urban Land Use* 355

### Social Areas of Cities 359

*Social Status* 360  
    *Family Status* 360  
    *Ethnicity* 360  
    *Institutional Controls* 362  
Changes in Urban Form 362  
    *Suburbanization* 363  
    *Decline of the Central City* 365  
    *Central City Renewal  
    and Gentrification* 366  
World Urban Diversity 369  
    *The West European City* 369  
    *Eastern European Cities* 371  
    *Rapidly Growing Cities of the Developing  
    World* 371  
    *Urban Primacy and Rapid Growth* 374

Summary 380  
Key Words 381  
For Review 381  
Key Concepts Review 381

## Twelve

### THE POLITICAL ORDERING OF SPACE 383

Key Concepts 383  
National Political Systems 385  
    *States, Nations, and Nation-States* 385  
    *The Evolution of the Modern State* 386  
    *Challenges to the State* 389  
    *Geographic Characteristics of States* 389  
    *Boundaries: The Limits of the State* 394  
    *Centripetal Forces: Promoting State  
    Cohesion* 397  
    *Centrifugal Forces: Challenges to State  
    Authority* 399  
Cooperation among States 403  
    *Supranationalism* 404  
    *The United Nations  
    and Its Agencies* 404  
    *Regional Alliances* 407  
Local and Regional Political  
Organization 410  
    *The Geography of Representation:  
    The Districting Problem* 410  
    *The Fragmentation of Political Power* 412

Summary 416  
Key Words 417  
For Review 417  
Key Concepts Review 418

# Part Five

## HUMAN ACTIONS AND ENVIRONMENTAL IMPACTS 419

### Thirteen

#### HUMAN IMPACTS ON NATURAL SYSTEMS 419

*Key Concepts* 419

Physical Environments and Cultural  
Impacts 420

Climates, Biomes, and Change 421  
*Global Climate Change* 423

*Air Pollution and Acid Precipitation* 426

*The Trouble with Ozone* 428

Land Use and Land Cover 431

*Tropical Deforestation* 431

*Desertification* 432

*Soil Erosion* 435

Water Supply and Water Quality 437

*Patterns of Availability* 438

*Water Use and Abuse* 439

Garbage Heaps and Toxic Wastes 440

*Solid Wastes and Rubbish* 443

*Toxic Wastes* 446

*Exporting Waste* 447

Prospects and Perspectives 448

*Summary* 450

*Key Words* 450

*For Review* 451

*Key Concepts Review* 451

## Appendices

A: Map Projections 453

B: 2008 World Population Data 461

C: Canada, Mexico and United States  
reference map 468

*Glossary* 469

*Credits* 481

*Index* 483

# List of Boxes

## Chapter 1

- Roger's Book, 4
- Careers in Geography, 7

## Chapter 2

- Chaco Canyon Desolation, 36
- Is Geography Destiny? 43
- Social Collapse, 45
- Documenting Diffusion, 52
- A Homemade Culture, 54

## Chapter 3

- Space, Time, and Women, 66
- Geography and Public Policy: Broken Borders, 80
- Gender and Migration, 84

## Chapter 4

- China's Way—and Others, 93
- A Population Implosion? 95
- The Risks of Motherhood, 97
- Millions of Women Are Missing, 100
- Our Delicate State of Health, 106
- Geography and Public Policy: The Cairo Plan, 108

## Chapter 5

- Language Exchange, 132
- World Englishes, 135
- Geography and Public Policy: An Official U.S. Language? 140
- Militant Fundamentalism, 146

## Chapter 6

- The Matter of Race, 168
- Geography and Public Policy: Nations of Immigrants, 169
- The Rising Tide of Nationalism, 175
- The Caribbean Map in London, 186
- Colonies of Immigrants, 188

## Chapter 7

- Vanished American Roots, 204
- Log Cabin Myths and Facts, 209

- The American Empire of Song, 214
- Birds of a Feather . . . or Lifestyle Segmentation, 225
- Hip-Hop Undergoes Globalization and Glocalization, 228

## Chapter 8

- Swidden Agriculture, 242
- The Economy of a Chinese Village, 244
- Women and the Green Revolution, 248
- Geography and Public Policy: Public Land, Private Profit, 264

## Chapter 9

- A Comparison of Transport Media, 279
- Geography and Public Policy: Contests and Bribery, 287

## Chapter 10

- Poverty and Development, 315
- Relative Characteristics of Development, 317
- The Energy Crisis in Less Developed Countries, 320
- Geography and Public Policy: Does Foreign Aid Help? 324–325
- Measuring Happiness, 331
- Empowering Women Financially, 335

## Chapter 11

- Central Place Theory, 350
- The Gated Community, 361
- Women in the City, 366
- Geography and Public Policy: The Homeless, 368
- The Canadian City, 372

## Chapter 12

- The Ministates, 390
- Legislative Women, 400
- Terrorism and Political Geography, 402
- Specks and Spoils, 407
- Geography and Public Policy: Voting Rights and Race, 414

## Chapter 13

- Earth's Changing Climates, 422
- Depleting the Ozone Layer, 430
- Dam Trouble in the Tropics, 433
- A World of Water Woes, 441
- Geography and Public Policy: Environmental Justice, 448