



4 People and Nature 107

Nature as a Concept 108

The Earth Summits 108 • Alternative Solutions to Environmental Problems 110 • Nature and Society Defined 111 • The Complex Relationship of Environmental Impacts, Population, and Affluence 111

4.1 GEOGRAPHY MATTERS The Political Ecology of Carbon Offsets 112

Nature–Society Interactions 115

Environmental Attitudes and Philosophies in the United States 115

Classical Environmental Philosophies 116

Contemporary Environmental Philosophies 117

Global Change in the Anthropocene 118

European Colonial Expansion 118 • Global Climate Change 122 • What is Climate Change? 122 • How Do We Know Climate Is Changing? 123 • What Are Some Projected Impacts of These Changes? 123 • What's to Be Done? 125 • The Climate Change Controversy 125

Energy, Land-Use Change and Environment 127

Energy Needs and Environmental Impacts 127

4.2 SPATIAL INEQUALITY Energy Consumption and
Production 128

Biomass and Hydropower 130 • Land Use and Environmental
Impacts 134

4.3 VISUALIZING GEOGRAPHY Renewable Energy
Resources 136

Water Use and Access 140

The State of the Global Environment 142

Global Environmental Governance 142

4.4 WINDOWS ON THE WORLD Ecotourism 144

Environmental Sustainability 146

Future Geographies 147

Conclusion 148 • Key Terms 150 • Review &
Discussion 150 • Unplugged 150 • Data Analysis 151

