Contents

Illustrations ix
Preface xi
Acknowledgments xv
Acronyms xix

1 Peril or Prosperity? Mapping Worldviews of Global Environmental Change 1
Four Environmental Worldviews 3
Market Liberals 4
Institutionalists 7
Bioenvironmentalists 9
Social Greens 12
Conclusion 14

2 The Ecological Consequences of Globalization 19
What Is Globalization? 19
Globalization and the Global Environment 26
Conclusion 42

3 The Globalization of Environmentalism 47
The Evolution of Global Discourse on Environment and Development 48
Global Environmental Governance 72
Conclusion 85

4 Economic Growth in a World of Wealth and Poverty 87
Wealth and Poverty for Market Liberals and Institutionalists 87
Critiques: Bioenvironmentalists and Social Greens 106
Conclusion 122

5 Global Trade and the Environment 127
Globalization and Trade 129
Trade's Impact on the Environment: Three Schools of Thought 131
The WTO and the Environment 143
Regional Trade Agreements—Opportunity for Greener Models? 156
Conclusion 159

6 Global Investment and the Environment 161
Globalization and Transnational Corporations 162
Differential Standards: Pollution Havens, Industrial Flight, Double Standards? 166
TNCs and Site Practices 174
Greening or Greenwash? 179
TNCs and Global Governance for Investment and the Environment 185
Conclusion 190

7 Global Financing and the Environment 193
Scope and Trends in International Finance 194
Multilateral Lending: The World Bank and the IMF 199
Multilateral Environmental Aid: The GEF and Climate Funds 209
Bilateral Finance: Export Credit Agencies 214
Private Finance and the Environment 217
Conclusion 223

8 Paths to a Green World? Four Visions for a Healthy Global Environment 227
Market Liberal Vision 228
Institutionalist Vision 233
Bioenvironmentalist Vision 237
Social Green Vision 241
Clashing Visions? 245

Notes 251
References 283
Index 333

Illustrations

Tables

1.1 Environmental perspectives 16
3.1 Intergovernmental organizations: Voting rules and revenue sources 76
3.2 Chronology of international environmental cooperation (summary of major initiatives) 79

Figures

2.1 Life expectancy at birth, total (in years), 1960–2008 29
2.2 World population growth 30
2.3 World population prospects 30
2.4 Global CFC production 32
2.5 World population, 1 AD–2008 AD 35
2.6 World final consumption expenditure, 1960–2007 36
2.7 Global CO_2 emissions from fossil-fuel burning, cement manufacture, and gas flaring 42
4.1 Global GDP, 1960–2008 90
4.2 Global GDP per capita, 1960–2008 90
4.3 HDI and GDP, 2008, top ten HDI-ranked nations 92
4.4 HDI and GDP, 2008, bottom ten HDI-ranked nations 92
4.5 The economy as a circular flow system 93
4.6 The environmental Kuznets curve 98
4.7 CO_2 emissions per capita (metric tons) 99
4.8 The vicious cycle of poverty and environmental degradation 102

4.9 The economy as a subsystem of the ecosystem 107
4.10 Entropy hourglass 112
5.1 World exports of goods and services, 1960–2008 129
5.2 World trade as percentage of global GDP, 1960–2007 130
5.3 Global total merchandise trade, 1948–2008 130
5.4 Shares of regional trade flows in world merchandise exports, 2007 131
6.1 World total number of TNCs (parent companies) 163
6.2 World total number of TNC affiliates 164
6.3 World foreign direct investments, net inflows, 1970–2008 164
7.1 OECD DAC: Official development assistance (percentage of GNI), 1960–2008 196
7.2 Official development assistance by donor as a percentage of GNI, 2009 196
7.3 OECD DAC: Total official development assistance, 1960–2008 197
7.4 External debt stocks, total 1970–2008 199
7.5 Global foreign exchange market turnover, 1989–2007 200
8.1 Humanity's ecological footprint, 1961–2005 240

Boxes

2.1 Definitions of globalization 22
3.1 The earth from space 52
3.2 Maurice Strong 56
3.3 Gro Harlem Brundtland 62
3.4 Petra Kelly 64
3.5 Chico Mendes 65
3.6 Wangari Maathai 65
4.1 Measures of economic development 88
4.2 The Simon-Ehrlich wager 110
4.3 Entropy and ecological economics 111
5.1 Absolute and comparative advantage 133
5.2 GATT article XX (the general exceptions clause of the GATT) 145
6.1 ISO 14000 environmental management standards 181
7.1 The developing-country debt crisis 198
7.2 Carbon markets 221