

Index

- Acid rain, 82–5, 82f, 83f, 84f, 222, 233
 - damage, 135
- Addis Ababa, 254
- Addo Park, 94
- Aerosol, 305
- Aeschylus, 141
- Afghanistan, 280
- Africa, 18–19, 21, 134, 148–9, 221, 224, 230, 287, 289, 291, 295, 300
 - climate change, 137–8
 - CO₂ emission, 58–60, 221
 - cropland, 229–30
 - debt, 292
 - deforestation, 248–50
 - fauna, 91–2
 - forest, 230, 245
 - land use, 239–44
 - moisture, 125, 128
 - pensions, 281
 - population, 230, 273
 - power, 187, 223
 - solar power, 190
 - women, 282
- Age, population, 279
- AGR reactor, 197, 198f, 203, 212, 222
- Agricultural revolution, 91–2
- Aid, food, 278
 - international expenditure, 245f
- AIDS, 138, 281, 284
- Air, chemistry, 302–7
 - circulation, 16, 18, 19f, 20f
 - composition, 23–8, 306–7
 - conditioners, 147, 180
 - pressure, 23–5
- Aircraft, hydrogen, 179
- Alaska, 21, 115, 149
- Albania, 230, 286
- Albedo, definition, 15
- Alberta, 105
- Albuquerque, 162
- Alcohol, 190
 - fuel, 180
- Aldehydes, 305
- Alert, 53f, 111
- Algae, 36
- Algeria, 218–20, 230, 280
- Alice, 260
- Alligators, Arctic, 15

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)

346

Index

- Altitheirnal, 111, 114f, 124
- Amazonia, 18, 38, 101, 136, 265
 - climate, 23, 250, 252f
 - deforestation, 94–7
 - economic change, 250, 251f
 - electricity, 160
 - flooded, 253, 263
 - forest, 37, 106
 - hydroelectricity, 184–6
 - ozone, 78, 79f, 80
- America (*see also* Central America; North America; South America), 141
 - fauna, 90–2
- American Geophysical Union, 2, 300
- Amerindians, 90
- Amine, 305
- Ammonia, 5, 85–6, 305–6
 - manure, 234
- Angola, 188
- Antarctica, 15, 20, 54, 119
 - climate, 47, 47f, 48f, 49, 49f
 - ozone, 75–8
- Appalachians, coal, 175
- Arabia, 213
- Aral basin, 134
- Aral Sea, 190
- Arctic, 119, 133, 154
 - climate, 15, 124, 132, 134
 - CO₂, 53f, 62
 - geotherms, 115, 116f
 - haze, 80–1, 81f, 289
 - Ocean, 65
 - ozone, 78
 - pollution, 81–2
 - sea ice, 128f
 - tundra, 45–6
 - warming, 125
- Argentina, 133, 278, 292
 - power, 188, 223
- Argon, 25–7, 29, 306
- Armenia, 159, 231
- Arums, 259
- Asia, 18, 22, 188, 221, 282, 289
 - climate change, 134–7
 - CO₂ emission, 58–60, 221
 - cropland, 230
 - deforestation, 248
 - forest, 37, 39, 230
 - GDP, 277
 - greenhouse, 220, 221
 - moisture, 125, 128
 - population, 230, 273
- Assimilative capacity, 143–4
- Aswan Dam, 137, 185
- Athabasca basin, 208, 213
- Athens, 264
- Atherton Tableland, 93
- Atlantic (*see also* North Atlantic; South Atlantic, geologic), 21–2
 - conveyor, 21–2, 22f
- Atmosphere, composition, 23–8, 306–7
 - law, 286
 - mass, 25, 307
 - preindustrial, 111
 - temperature, 17f
- Attica, 264
- Auckland, 263
- Austen, Jane, 151
- Australia, 21, 107, 137, 150, 188, 190, 221, 230, 244, 245f, 276, 278–9, 288
 - agriculture, 227
 - cropland, 229–30
 - fauna, 91–2
 - ice age, 48
 - methane, 219–21
- Austria, 188, 245f, 269
- Automobile emissions, 158
 - fuel use, 158–9
- Avocado, 231
- Bacteria, 27
- Balbina Dam, 186
- Balkans, 231
- Baltic, 49
- Bananas, 231
- Bangkok, 235
- Bangladesh, 119, 136, 149, 255, 273, 276, 278–9, 280
- Basalt, 29
- Baskerville, G., 101
- Bateleur eagle, 261
- Beans, 231
- Beavers, methane, 68–9
- Belgium, 245f, 269, 289
 - CFC, 171
 - power, 211, 214
- Belgorod, 239
- Belingwe Peak, 102
- Beans, 231
- Benin, 230
- Bhopal, 205
- Bicycles, 162, 164–7
- Bilateral aid, 290–3
- Bilharzia, 186
- Billings method, 283
- Biomass power, 151, 187–91
- Biosphere, definition, 7
- Birth control, 270–1, 283
- Blackwoods, 260f
- Bloemfontein, 162
- Bluebuck or bloubok, 93, 263
- Bolivia, 248–9, 253, 278
- Bophutatswana, 243
- Boreal forest advance, 132
- Borneo, 47, 136, 248
 - forest, 38, 98
- Boron, 195
- Boston, 152
- Botswana, 138, 215, 235, 244, 255, 276, 279, 280

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)*Index*

347

- Brazil, 141, 149, 159, 180, 230, 244, 253, 254–5, 280, 288
 - agriculture, 221, 277
 - biomass power, 190
 - climate, 133
 - debt, 254–6, 292
 - deforestation, 246–7
 - forest, 245, 249
 - hydroelectricity, 184–6, 188
 - nuts, 231
 - population, 273
 - power, 223
- Breadfruit, 231
- Bretton Woods Conference, 143
- Bride-price, 281–2
- British Columbia, 48
- Broecker, W., 27
- Brokopondo Dam, 186
- Bromine, 36
- Brundtland Commission, 258
- Brunei, 245
- Brussels, 234–5
- Buchwa, 103
- Building code, 159
- Buildings, heating cost, 159–60
- Bulgaria, 276, 279
- Bun shop, 164
- Burkina Faso, 255, 276, 279, 280
- Burma, 136, 138, 188, 245, 249, 286
- Burns, R., 51
- C₃ plants, 129, 264
- C₄ plants, 129, 265
- Cacao, 231
- Cahora Bassa Dam, 185
- Calandria, 199
- Calcium, 28
 - carbonate, 31, 34
- California, 190, 191, 254, 305
 - conservation, 159–60
- Calodendron, 259
- Cambodia, 143, 249, 273
- Cambridge, 2, 123, 163–6, 218, 225f
- Cameroon, 245, 248–9, 255, 280
 - hydroelectricity, 184, 188
- Campbell, B., 239, 272
- Canada, 134, 136–7, 175, 187, 222, 230, 244, 245f, 250, 265, 276, 278–80, 285, 287–9, 291
 - agriculture, 227
 - CFC, 170
 - climate, 15, 21, 132–3
 - CO₂ emissions, 60, 221
 - conservation, 161, 167
 - debt, 254–5, 257
 - forest, 37–43, 69, 99–101, 238
 - gas, 178
 - hydroelectricity, 184, 188
 - ice age, 48–50
 - methane, 62, 111, 115, 218–20
 - nuclear waste, 207–8
 - power, 223
 - reactors, 198–200, 203
 - rivers, 118
 - tax, 255–6
 - trade, 158
 - uranium reserves, 208, 213
 - warming, 123
 - women, 282
- Canadian Climate model, 120f–121f, 126f, 127f, 130f, 131f
- Canadian Shield, 193
- Canberra, 162
- Cancer, 205
- CANDU reactor, 195, 198–200, 199f, 214, 223
- Canvey complex, 202
- CAP, *see* Common Agricultural Policy
- CAPCO, 223
- Cape chestnut, 259
- Cape Province, 224, 258–63
- Cape Town, 46, 191
- Capital flow, 257
- Carajás project, 251
- Carbohydrate, 303
- Carbon, 28
 - forest inventory, 43
- Carbon cycle, 33–5, 34f, 35f
- Carbon dioxide, 9, 10f, 11–13, 14f, 15, 25–7, 29, 31, 147, 287, 297–8, 306
 - atmospheric concentration, 61f, 62
 - control, 152–6
 - cost of emissions, 145
 - cycling, 33–5, 34f, 35f
 - emissions, 55–61, 115–16, 258
 - fuel release, 183
 - future levels, 58–61, 59f, 61f
 - growth, 52f, 53f, 54–61, 56f, 59f, 61f, 154–6
 - lifetime, 34, 56–7
 - ocean disposal, 176
 - per capita, 221
 - recapture, 181
 - reinjection, 176, 181
 - relative greenhouse impact, 64
 - sinks, 55–8
 - spring reduction, 43
 - vegetation response, 129
 - warming increment, 110f, 111
- Carbon 14, 64–6, 195, 200, 218
- Carbon monoxide, 69–70, 158, 298, 306
 - atmospheric concentration, 62
 - sources and sinks, 70
- Carbonyl sulfide, 307
- Cardamons, 231
- Caribbean, 23
 - cropland, 229–30
 - GDP, 277
 - geology, 28
- Cashew nuts, 231

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)

348

Index

- Caspian Sea, 190
- Cassava, 231, 234–5, 287
- Catalytic converters, 178
- Cavendish Laboratory, 163
- Central Africa Republic, 245, 248
- Central America, 188, 233
 - climate, 22
 - CO₂ emissions, 58–60
 - cropland, 229–30
 - deforestation, 97, 98f, 250
 - forest, 230, 245, 249
 - population, 230, 273
- Cereals, aid, 278
- CFC, *see* Chlorofluorocarbon
- Chad, 278
- Chadwick, J., 191
- Cheese, 228
- Chemical waste, 208
- Chernobyl, 191, 195, 199, 201, 204–6, 214–15, 220–1
 - nature reserve, 239
- Chestnut, 94
- Chewing gum tree, 231
- Chickens, 231
- Child labor, 270, 272
- Chile, 212, 280
- China, 47, 54–5, 141, 146, 215, 223–4, 230, 242, 244, 276, 278, 280, 288
 - climate, 98
 - climate change, 134–6
 - CO₂, 54–5, 58–60, 154, 221
 - coal, 83, 149, 174–7, 221, 256
 - conservation, 167
 - deforestation, 248
 - forest, 92, 254
 - hydroelectricity, 184, 186–7
 - methane, 65
 - moisture, 125, 128
 - nuclear waste, 208
 - population, 273
- Chiweshe, 240f, 270–1
- Chlorine, stratosphere, 172f
- Chlorine, troposphere, 172f
- Chlorofluorocarbon, 12, 13, 71–8, 142, 147, 149, 153, 156, 167–74, 184, 218, 224
 - control, 168–71
 - emissions (*see also individual nations*), 61, 71–4, 71f, 72f
 - greenhouse effect, 64, 72–3, 111–12, 168
 - growth, 72f
 - ozone effect, 73–8, 76f, 77f, 79f
 - recycling, 170
 - relative greenhouse impact, 64
 - use, 168–70
- Chlorophyll, 303
- Cicero, T., 299
- Canadian International Development Aid (CIDA), 256
- Cigar Lake, 213
- Ciskei, 260
- Citrus, 231
- Clean Air Act – U.K., 175
- Clean Air Act – U.S.A., 175
- Climate controls, 295–6
- Climate models, 109, 115–38, 120f, 121f, 123f, 124f, 126f, 127f, 128f, 130f, 131f
- Climate system, 25f
- Cloud, 7–9, 11–13, 37, 295–6
 - condensation nuclei, 23
 - feedback, 112, 117
 - forest, 260–1
 - forest development, 41
 - nucleation, 23, 36–7
- Cloves, 231
- Coal, 155, 168, 174–7, 297
 - CO₂ output, 183
 - landfills, 176
 - methane, 177
 - price, 145–7, 157
 - risks, 177
 - scrubbers, 175
 - sea waste, 176
 - sulfur dioxide, 175
- Coal power, 214
 - cost, 210
- Cockerell raft, 190
- Cockroft, Sir John, 216
- Coconuts, 231
- Coffee, 231
- Cola, 231
- Colombia, 230, 245, 249, 255
 - hydroelectricity, 184, 188
- Combined-cycle power, 179
- Common Agricultural Policy, 234–7, 266, 287
- Commons, definition, 143–7
- Commonwealth, 223, 288–91
- Commuting, 162–7
- Congo, 188, 245, 248–9, 255
- Conservation
 - energy, 156–67, 225
 - legislation, 158–61
 - planning, 161–7
 - price, 157–8
- Contraception, 271, 283
- Cooking, 283
- Copper reserves, 212–13
- Cordillera Oriental, 253
- Corn Belt, 233
- Corn Law, 266
- Corruption, 276–7, 291
- Costa Rica, 97–8, 188, 230, 252, 255, 263, 276, 279, 280
- Cotton, 231, 287
- Cottrell, R., 236
- Cows, 231
 - methane, 66
- Cream, 169
- Cretaceous, 5, 6, 7, 15, 19, 129
 - oil, 177
- Cromwell, Oliver, xiv

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)*Index*

349

- Cropland, 228–9
- Cuba, 230, 273–4, 277–80
- Cucumbers, 228, 231
- Cumbria, 202
- Curie, 204
- Cycle tracks, 162–6
- Czechoslovakia, 134, 212, 221
 - coal, 176
- Daisy planet, 15–16, 16f
- Darwin, C., 91
- Darwinian selection, 16
- Debt, international, 254–6
- Debt, poor nations, 292
- Deforestation, 94–108, 296
 - corporations, 107
 - by country, 249
 - worldwide scope, 106
- Denitrification, flue-gas, 176
- Denmark, 245f, 269
 - CFC, 170
- Denver, 200
- Deodars, 260
- Desertification, 129, 137–8, 239
- Desulfurization, flue-gas, 175
- Deuterium, 193–5
- Dew-point curve, 24f
- Diesel emissions, 305
- Diesel smoke, 166
- Dimethyl sulfide, *see* DMS
- Dinitrogen pentoxide, 306
- Dinosaurs, 5
- DMS, 36, 83, 85, 234, 306, 307
- Dobson, G. M. B., 75
- Domesday Book, 92
- Doppler broadening, 199–200
- Dry tropical forest, 45
- Dublin, 266
- Ducrot, General, xiv
- Dumbutshena, E., 104
- Dylan, Bob, 265
- Eagle pub, 164
- Earth
 - albedo, 15
 - incoming radiation, 8f, 10f, 12f, 14f
 - infrared emission, 8f, 10f, 12f, 14f
 - outgoing radiation, 8f, 10f, 12f, 14f
 - surface temperature, 29
 - temperature, 5–15, 114f
- Earthquakes, 30f, 31, 32f, 159
- East Asia, cropland, 229–30
- East Indies
 - climate, 23
 - forest, 39
- Eastern Europe, coal, 83–4, 174–7
- Economic growth, 60, 62f, 148
- Ecosystem productivity, 42
- Ecosystems, area, 42
- Ecuador, 106, 230, 245, 249, 255
- Education, 272–7
- Educational expenditure, 276
- Eemian interglacial, 124
- Egypt, 137, 150, 188, 276, 278–80
- Einkorn wheat, 231
- El Chichon, 33, 87f, 114
- El Niño, 18, 21f, 33, 98, 136
- El Salvador, 191, 278, 280
- Electric
 - cars, 180–1
 - transport, 162–7
 - vehicles, 159
- Electricity, 153f
 - sources, 182
 - transport, 179
- Electrification, rural, 241–4
- Ellison, H. L., 294
- Elm, 94
- Elsom, D., 170
- Emmer wheat, 231
- Energy, 151–226, 296–8
 - in atmosphere, 7–9, 8f, 10f, 12f, 14f, 16f
 - composition, 167–8
 - conservation, 156–67, 226
 - consumption, 55, 57
 - consumption, by region, 146
 - cost, 148–50
 - currency, 179–80, 297
 - efficiency, 159–60
 - goethermal, 151
 - regional production, 152f, 153f
 - renewable, 152
 - solar, 7–16, 8f, 10f, 12f, 14f, 16f, 22
- England, 92–4, 140, 161
- Enrichment, 201, 213
 - nuclear, 195
- ENSO event, 18
- Environmental boycott, 252
- Eocene, 124
- Ethics, definition, 143–4
- Ethiopia, 137–8, 231, 241, 266, 276, 278–80
- Etna, Mt., 87
- Eucalyptus, 38, 241, 254, 261, 263, 264
- Eurasia
 - climate, 22, 124
 - fauna, 90–1
 - warming, 123
- Europe, 150, 188, 242, 272, 284
 - agriculture, 227, 234–7
 - CFC, 170–1
 - climate change, 133–4
 - CO₂ emissions, 58–60, 221
 - coal, 174, 176, 289
 - conservation, 160–1
 - cropland, 228–30
 - energy, 55, 57
 - fauna, 90–2
 - forest, 107, 230
 - gas, 181
 - GDP poor nations, 277

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)

350

Index

- Europe (*cont.*)
 - greenhouse, 220–1
 - nuclear waste, 208
 - oil reserves, 177
 - pollution, 158
 - population, 230, 273
 - subsidy, 266
 - transport, 181
- European Community, 227, 234–7, 247, 249–50, 285, 289–90, 293
- Extinctions, postglacial, 90–1
- Falkland Islands, 133
- Fallout, 200
- Famine, 241–2, 266
- Farman, J. C., 75–6
- Fast reactor, 195, 203
- Feedback
 - climate, 111–12, 117
 - cloud, 112, 117
- Ferrel cell, 18, 19, 19f, 20f
- Finland, 170, 245f
- Fire extinguishers, 170
- Flooded forest, 253, 263
- Florida, 149
- Flowering plants, 38
- Flue-gas control, cost, 210
- Flue-gas desulfurization, 175
- Fluidized beds, 175, 183
- Fontenelle, 299
- Food aid, 278
- Food Security Act, 237
- Foot-and-mouth disease, 235
- Forcing effects, 110
- Forest
 - acid rain, 84–5
 - area, 229–30
 - boreal, 43–5
 - canopy, 38
 - cloud nucleation, 41, 41f
 - CO₂ uptake, 58
 - conservation, 250–4
 - distribution, 38f
 - dry tropical, 45
 - energy transfer, 40f
 - fire, 100
 - fire ecology, 44
 - historic, 93–108
 - latent heat transfer, 40
 - market, 250
 - methane, 66–7
 - nutrients, 42
 - tropical, 37–43
 - water balance, 39f
- Formaldehyde, 180, 304, 306
- Forth bridge, 215
- France, 222, 230, 244, 245f, 276, 278–9, 288–9, 293
 - CO₂ emission, 60, 221
 - methane, 219–21
 - power, 188, 220–1
 - PWR, 211–12, 214, 220
- Francophonie, 223, 288–90
- Franklin, Benjamin, 20
- Free Trade, 285
- French Guiana, 249
- Friday, L., 3
- Fuel mix, impact, 217f
- Fundy, Bay of, 151, 187
- Furniture, hardwood, 106, 251
- G-7, 288, 290, 298
- Gabon, 245, 248, 255, 280
 - hydroelectricity, 184, 188
 - nuclear, 208
- Gaia hypothesis, 45–6
- Game meat, 243–4
- Gas, 168
- Gas-cooled reactor, 197, 198f, 203
- Gasohol, 165, 190
- Gasoline price, 157
- GDP, 276
- General Agreement on Tariffs and Trade (GATT), 143, 158, 285–8, 298
- Geological timescale, 6f
- Geophysical Fluid Dynamics Laboratory model, 120f–121f, 123f, 124f, 126f, 127f, 130f, 131f
- Geophisiology, 9
- Geothermal energy, 191
- Geothermal power, 151, 180
- Geotherms, Arctic, 115, 116f
- Geraniums, 259
- Germany, 134, 165, 175, 212, 230, 238, 244, 245f, 264, 269, 273, 278, 280, 288, 292–3
 - CO₂ emission, 60, 221
 - coal, 176
 - hedges, 235
 - power, 184, 220–1
- Ghana, 188, 248–9
- Global energy balance, natural, 8, 8f, 10f, 14f
- Global positioning satellites, 108
- Global warming, 112–15, 120–8
 - estimate, 117
- GNP, 276
- Goats, 231
- Gobi Desert, 189
- Gondwanaland, 263
- Gorupi reserve, 251
- Graphite, 194–5, 197, 202–4
- Great auk, 93
- Greece, 242
- Greenhouse
 - control, 152–6
 - effect, definition, 11
 - emissions, national, 60, 217f, 219f
 - emissions, per capita, 219f, 221
 - gases, natural, 8f, 9–15, 10f, 14f
 - impact gas, 64, 178

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)*Index*

351

- Greenhouse (*cont.*)
 increments, 110f
 limit, 167–8
 Greenland, 15, 48, 54, 119, 125
 Gross domestic product, 277
 Guatemala, 47
 Guavas, 231
 Guianas, 245, 249
 Gulf of California, 88
 Gulf of Mexico, 22
 Gulf Stream, 20, 118–19
 Guyana, 249, 255, 276, 279
 Gymnosperms, 38
- Hadley cell, 18, 19, 19f, 20f
 Haiti, 278, 280
 Halley Bay, 75
 Halons, 170, 173
 Hansen, J., 115
 Harare, 94, 162, 165–7
 Hardin, G., xvii
 Haricot beans, 231
 Harrisburg, Pennsylvania, 204
 Havel, V., 227, 294
 Hawaii, 54
 Health care, 277–81
 Heat pump, 189
 Heat transfer, air, 18, 19f, 20f
 Heat transfer, ocean, 18, 19f, 20–2, 20f
 Heathrow airport, 259
 Heavy water, 193–5, 198–90
 Hebrides, 21
 Hedgerows, 235
 Helium, 26, 31, 307
 coolant, 195
Hemileia, 231
 Herbert, A. P., 140
 High temperature reactor, 203
 Himalayas, 98, 187, 223
 Hogsback, 258–63, 260f
 Holland, 202
 Homer, 299
 Homo sapiens, 4
 Honduras, 97
 Horace, A., 299
 House of Lords, 282
 Houston, 162
 Human evolution, 51
 Hurricanes, 22
 Hydrates, methane, 45, 65–6, 117, 154
 Hydrocarbon emissions, 178
 Hydroelectric power, 184–8, 214
 countries, 187
 risk, 185
 Hydrogen, 26, 28, 177–84, 224–6, 297, 306
 in air, 26
 solar, 190
 use, 179–80
 Hydrogen chloride, 307
 Hydrogen cyanide, 306
 Hydrogen sulfide, 306, 307
- Hydrothermal system, 29, 87–8
 Hydroxyl, 37, 62–4, 88–90, 89f, 154, 156,
 178–9, 303–6
- Ice ages, 22, 47–50
 CH₄, 47–50
 CO₂, 47–50
 Iceland, 21, 22f, 152, 191
 Iliad, Homer's, 299
 India, 47, 149, 154, 167, 221, 224, 230, 242,
 276, 280, 288
 CFC, 173
 climate, 98
 debt, 255
 forest, 92, 249, 254
 hydroelectricity, 184, 186–7
 moisture, 125, 128
 population, 273
 power, 223
 Indian Ocean, 13, 20–2
 geology, 28
 Indochina, 134, 187
 Indonesia, 13, 18, 141, 150, 187, 230, 246,
 255, 278, 280
 climate, 23
 debt, 255
 deforestation, 247, 248–9
 forest, 98, 101, 107, 245
 geology, 28
 ice age, 48
 Industrial atmosphere, 147–8
 Industrial revolution, 92
 Insulation, 169
 Interglacial sea level, 119
 International Geosphere-Biosphere Program
 (IGBP), 288
 International loans, 257
 International Monetary Fund, 298
 Intertropical Convergence Zone, 18, 19, 19f,
 20f, 137
 Iodine, 204
 Iran, 219–20, 231, 276, 279–80
 Iraq, 231, 276
 Ireland, 157, 228, 245f
 famine, 266
 Isostatic relaxation, postglacial, 118
 Israel, 51, 189
 Italy, 191, 245f, 269, 278, 288
 CO₂ emission, 60
 Ivory Coast, 230, 248–9, 255
- Jamaica, 278, 280
 James Bay project, 100, 185, 223
 JANT project, 247
 Japan, 136–7, 222, 224, 245f, 250, 273, 276,
 278–9, 284, 288
 climate, 23, 136
 CO₂ emission, 60
 conservation, 159–60
 deforestation, 105, 106, 247, 251–2

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)

352

Index

- Japan (*cont.*)
 energy, 55, 57
 fishing, 107
 geology, 28
 greenhouse, 220–1
 nuclear cost, 210
 oil reserves, 177
 power, 188, 214, 220–1
 recycling, 254
 Jersey, 105
 Johns, A., 251f
 Juruá River oil deposits, 251f
 Jute, 231
- Kalahari, 137, 229, 235
 Kalahari Desert, 123, 129
 Kalimantan, 248
 Kampuchea, 249
 Kapok, 231
 Kariba Dam 185–7, 191, 223
 flooding, 185
 Karoo, 129
 KBS-3, 207
 Keepin-Kats analysis, 210–1, 214
 Kennedy airport, 259
 Kenya, 243–4, 278, 280
 Khoisan people, 92
 Kiwi fruit, 233
 Krypton, 26, 204, 307
 Kuwait, 155
- La Niña, 18
 Lake acidification, 84–5
 Land tenure, 239–44
 Landsat, 95, 107
 Land use, 230
 Laos, 249
 Laser enrichment, 213
 Laskey, R., 3
 Latent heat, 8f, 9
 Latin America, 60, 282
 GDP, 277
 pensions, 281
 power, 223
 Law of Atmosphere, 286
 Law of Sea, 286
 Lean-burn engines, 178
 Lebanon, 273
 Lesotho, 276, 279
 Leukemia, 201
 Liberia, 248–9
 Life expectancy, 279
 Light
 infrared, 8f, 10f, 12f, 14f
 ultraviolet, 8f, 10, 10f, 12f, 14f,
 visible, 8f, 10f, 12f, 14f, 16f
 Light-water reactor, 196–7, 196f, 197f, 203
 Lighting, 27, 159
 Lilies, 259
 Limestones, 15
- Lipstick, 236
 Lisbon, 290
 Literacy, female, 280
 Living community, 92
 Lomé convention, 285
 London, 170, 266, 290
 London agreement, 142, 173–4, 218, 298
 Los Angeles, 180, 305
 Louisiana, 149
 Lovelock, J. E., 9, 15, 16f, 46, 73, 170, 299
 Lower Saxony, 235
- Macadamia nut, 233
 Macaulay, 300
 Madagascar, 91, 230–1, 245, 249, 255, 278
 deforestation, 99
 Magnox reactor, 197, 203
 Mahogany, 250–1
 Maize, 129, 233, 264f
 Malaria, 186
 Malawi, 244
 Malaysia, 98, 101, 107, 136, 230, 245, 246
 deforestation, 248–9
 ice age, 48
 Maldives, 149
 Mali, 278
 Manaus, 186
 Mangos, 231
 Manitoba, 100
 Manure, 306
 bank, Dutch, 234
 Maoris, 90
 Maple sugar, 233
 Mars, 25, 29, 73
 Marshall Plan, 223, 293
 Matabeleland, 242
 Mauna Loa, 52f, 54, 62
 Mauritania, 276, 279
 Maxwell, J. C., xviii
 Mayo, 266
 Mberengwa, 101–5
 McGonagall, W., 215
 McKibbin, B., 3
 MEA process, 176
 Mediterranean, 28, 233
 Mercury, 29
 Mesopause, 17f
 Mesopotamia, 264
 Mesosphere, 17f
 Methane, 26, 29, 35, 287, 297–8, 306
 air, 25–7
 Alert, 111
 annual cycle, 66–7
 Arctic, 65, 154
 atmospheric concentration, 62–3
 chemistry, 304–6
 clathrates, 45, 65–6, 117, 154
 destruction, 62–4
 explosion, 206
 forest, 43–5, 100

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)*Index*

353

- Methane (*cont.*)
 forest production, 132
 growth, 62–9, 154–6
 historic concentration, 64
 hydrates, 45, 65–6, 117, 154
 leakage, 178–88, 218
 managing, 147
 manure, 234
 per capita, 221
 relative greenhouse impact, 64
 sources, 63–7
 sulfonic acid, 306
 warming increment, 110f, 111
- Methanol, 5, 11, 13, 180
- Methyl bromide, 307
- Methyl chloride, 307
- Methyl iodide, 307
- Mexico, 33, 150, 188, 230, 244, 249, 273, 280
 debt, 292
 methane, 218–20
- Mid-ocean ridges, 28–31, 30f, 32f
- Middle East, CO₂ emission, 60
- Middle East, cropland, 229–30
- Middlesex, 94
- Migration, 150
- Military expenditure, 276
- Milk, radioactive, 204
- Millet, 129
- Millisieverts, 200, 205, 207
- Milton, J., 125, 299
- Mirrors, 189
- Mitchell, Joni, 162
- Moderator, 191–2, 194–5
- Moist forest, tropical, 249
- Mojave Desert, 189
- Molina, M., 170
- Monsoon, 13, 19f, 98, 128
- Monterey pine, 254
- Montreal protocol, 142, 153, 171–4, 172f
- Morocco, 278, 290
- Moscow, 290
- Mozambique, 138, 185, 188, 215, 276, 278–9
- Myanmar, 249, 286
- Myers, N., 106, 249
- NAGRA, 207
- Namibia, 244
- Natural gas, 177–84, 297
 CO₂ output, 183
 greenhouse, 178
 methane, 65, 221
- Navy beans, 231
- Neon, 26, 307
- Nepal, 98, 186
- Netherlands, 218–20, 245f, 256, 278
 hedges, 235
 manure, 234
- Neutrons, 191
- New England, 187
- New Zealand, 90–1, 152, 188, 191, 218, 228, 236, 245, 245f, 254, 258, 263
 cropland, 229–30
- Newfoundland, 125, 228
- Newsprint, 253
- Newton, I., 299
- Niagara, 187
- Nicaragua, 97, 191, 230
- Nigeria, 167, 230, 249, 273, 276, 279–80
- Nile River, 137, 264, 287
- Nimbus 7, 75–77
- 1950 Earth model, 284–8
- Nitrate, 305
- Nitric acid, 306
- Nitric oxide, 70–1, 303–6
- Nitrogen, 25–7, 28–9, 306
 dioxide, 70–1, 303–6
 fixing, 27
 oxides, 70–1, 111, 147, 158, 178–90, 304–6
 trioxide, 306
- Nitrous acid, 306
- Nitrous oxide, 70–1, 169, 306
 N₂O, 12
 relative greenhouse impact, 64
- North America, 115, 188, 212, 272, 284, 295
 agriculture, 237–8
 climate, 124, 149
 climate change, 132–3
 CO₂ emissions, 58–60, 221
 coal, 174
 conservation, 161, 163
 cropland, 229–30
 energy, 55, 57
 forest, 107, 230
 population, 230, 273
 solar power, 189
 subsidy, 266
- North Atlantic
 circulation, 20–3, 22f, 118
 clouds, 13
 deep water, 18–19, 22f
 salinity, 22f, 133
- North Pacific, circulation, 20
- North Pole, 18–19
- North Sea, 178
- Northern Hemisphere, 13, 19, 112
 CO₂, 33, 34f
- Norway, 170, 188, 245f
- Nuclear energy, 297–8
 economics, 209–12
 fallout, 200
 fuel, 194
 power, 180, 191–216
 proliferation, 213–14
 reaction, 193
 reactors, by country, 192
 reprocessing, 213–14
 reserves, 212–13
 safety, 200–6
 submarines, 195

- Nuclear energy (*cont.*)
 - waste, 193–4, 207–9
 - weapons, 213–14
- Ocean
 - chemical exchange, 36–7, 56–8
 - circulation, 19–22, 22f, 118–22
 - CO₂ sink, 56–8
 - expansion, 118
 - heat transfer, 19–22, 22f, 36–7
- OECD, 55, 57, 143, 298
- OH, *see* Hydroxyl
- Oikos*, 294
- Oil, 168, 177–84, 297
 - company, 181
 - CO₂ output, 183
 - exploration, 265
 - palms, 231
 - reserves, 177
- Okavango swamp, 235
- Oklo reactor, 208
- Old-age pensions, 281–2
- Ontario, 132, 200, 215
 - forest, 99
 - oil, 177
- OPEC, 181
- Open University, 291
- Ottawa, 163, 290
- Ovulation, 283
- Oxford, 163
- Oxygen, 10, 20f, 25–9, 299, 303–6
 - fire ecology, 44
- Ozone, 9, 10, 10f, 11–12, 14f, 20f, 36, 63, 73–80, 111, 156, 168, 170–1, 218, 306
 - chemistry, 303–6
 - forest sink, 42
 - hole, 75–8
 - stratosphere, 75–8
 - tropospheric, 79–80, 79f, 178–80
- Pa Mong project, 186
- Pacific Ocean, 18, 20–2, 22f, 190
 - climate, 23
 - geology, 28
- Pakistan, 276, 278, 279
 - power, 223
- PAN, 305–6
- Panama, 22
- Papayas, 231
- Paper, recycled, 253–4, 262
- Papua New Guinea, 136, 188, 246–9
- Paraguay, 280
- Paris, 290
- Parking, 161–7
 - electric, 180
- Passenger pigeon, 93
- Passion fruit, 231
- Passive reactor, 206, 216
- Pasture area, 229–30
- Paul, Saint, xiv
- Pax Britannica, 292
- Peasants, 148–9
- Peat bogs, methane, 66
- Pecan nut, 233
- Pennsylvania, 204
 - oil, 177
- Pensions, 262, 281–2
- Pentagon, 170
- Permafrost, methane hydrates, 45, 65–6, 117, 154
- Permian, 5, 15
- Persian Gulf, 177
- Peru, 188, 245, 249, 255, 276, 278–80, 295
- pH, 82
- Philippines, 246, 255
 - deforestation, 249
- Phosphorus, 28
- Photochemistry, 302
- Photosynthesis, 303
- Photovoltaic cells, 189
- Pigs, 228, 231, 234
- Pilanesberg, 243
- Pineapples, 231
- Pine plantations, 254
- Pipelines, 218
- Pitt, W., 299
- PIUS reactor, 206
- Planetary warming, 112–15, 114f, 120–8
- Plankton, 36
- Plants, transpiration, 295
- Plastics, 147
- Plate tectonics, 28, 30f, 32f, 303
- Plato, D., 299
- Pleistocene ice ages, 95
- Plutonium, 213
 - 239, 194, 200
- Podocarps, 258–9
- Poland, 134, 222
 - CO₂ emission, 60
 - fallout, 205
- Polar cell, 18–19, 19f, 20f
- Polarstern*, 81
- Polluted air, chemistry, 305–6
- Pollution, social cost, 145
 - urban, 161–7
- Pope, A., 299
- Population
 - age, 279
 - density, 230
 - growth, 268–70, 273–4, 298
 - growth, Cuba, 279–81, 284
 - poor countries, 275
 - rich countries, 275
 - urban, 275
 - world, 268, 269f, 273
- Potatoes, 262, 266
- Power, 151–2
 - electric, 153f, 169
- Prairie, 124, 132

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)*Index*

355

- Prance, G. T., 96
 Precambrian, 27
 Precipitation, predictions, 123, 125–8, 126f, 127f
 Pressure tubes, 199
 Primates, 231
 Prince Albert National Park, 62
 Productivity, ecosystems, 42
 Projeto Gran Carajas, 246, 251
 Protea, 259
 Public transport, 161–7, 181
 PWR reactor, 196–7, 196f, 199, 202–3, 220–1
 cost, 209–12
 France, 211–12, 214

 Quagga, 93, 263
 Quebec, 100, 151
 hydroelectricity, 185, 223
 population, 268–70, 284
 Queensland, 93

 Radiation
 balance, 10
 dose, 200
 solar, 7–16, 8f, 10f, 12f, 14f, 16f, 19, 22
 wavelength, 7–16
 Radionuclides, 193
 Radon, 86, 176
 Rail, urban, 163
 Rail freight, 165
 Rainfall, 22–3
 predictions, 123, 125–8, 126f, 127f
 Rainforest, 23, 37–43, 38f, 39f, 40f, 41f
 Rape-oil disaster, 205
 Rayleigh, Lord, xviii
 Reactor
 AGR, 197, 198f, 203, 212, 222
 boiling water, 196–7, 197f, 203
 CANDU, 195, 198–9, 199f, 203, 214–15, 223
 gas-cooled, 197, 198f, 203
 high-temperature, 203
 light-water, 196–7, 196f, 197f
 Magnox, 197, 203
 Oklo, 208
 passive, 206, 216
 PIUS, 206
 PWR, 196–7, 196f, 199, 202–3, 220–1
 RBMK, 195–8, 203, 205
 SGHWR, 200, 203
 Slowpoke, 206
 types, 203
 Reasonable man, 140–2
 Reform Bill, 300
 Refrigeration, 169–70
 Refrigerators, 147, 159
 Refugees, 150, 284
 Regina, 162

 Relative greenhouse impact, 146
 Relative humidity, 23
 Renewable energy, 151–2
 Reprocessing, nuclear, 213–14
 Reunion, 231
 Rhino, 141, 265
 black, 94
 white, 94
 Rhodesia, 223
 Rhodesia Railways, 174
 Rice, 129, 231
 wetland, 68, 93
 Rinderpest, 102
 Rio Grande o'Guapay, 253
 Risk
 coal, 202, 206
 conservation, 202
 hydroelectric, 202, 206
 nuclear, 202, 206
 Rocky Mountains, 133
 Roman Catholic Church, 269–70
 Roman Empire, 93
 Rondonia, 95–7, 95f, 96f
 Rowlands, S., 170
 Royal Navy, 292
 Rubber, 231
 Runner beans, 231
 Russian Empire, 100
 Rutherford, Lord, xv, xviii, 191, 198, 216

 Sabah, 246, 248
 Sable antelope, 102
 Sago, 231
 Sahara, 12f, 189
 Sahel, 128, 137, 229
 Sakharov, A., 206
 Salinity, oceans, 20
 Salter duck, 190
 San Diego Zoo, 300
 San Francisco, 159
 San Francisco Bay, 236
 Sapodilla, 231
 Sarawak, 136, 246, 248
 Saskatchewan, 149, 162
 Saskatoon, 161–3, 166
 SASOL, 264f
 Satellites
 global positioning, 108
 Landsat, 95, 107–8
 ozone, 75–6
 surface temperature, 113
 weather, 108
 Saudi Arabia, 218–20
 Save study, 239–41, 240f, 270–2, 283
 Saxony, 235
 Scandinavia, 105
 fallout, 205
 Schindler, D., 105
 Schistosomiasis, 186
 Schneider, S., 170

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)

356

Index

- Scotland, 215
 - coal, 175
- Scottish islands, 118
- Sea, Law of, 286
- Sea level, 118–22, 149
 - ice age, 48
- Sea surface temperature, 113
- Second World War, 100
- Seedbanks, 233
- Sellafield, 195, 201–5, 216
- Senegal, 276, 279
- Serra dos Carajás, 251
- Sewer estuary, 187
- SGHWR reactor, 200, 203
- Sheep, 231
- Shukla, J., 252f
- Siberia, 46
 - gas, 177, 180, 213
- Silver birch, 261
- Sizewell B reactor, 202, 209
- Slavery, 292
- Slowpoke reactor, 206
- Smog, 80, 88, 305–6
- Snap beans, 231
- Snow, C. P., xvi
- Social cost, 145–6
- Soil, 33
 - moisture, 125–8, 130f, 131f
- Solar
 - air conditioning, 189
 - heating, 189
 - irradiance, 307
 - luminosity, 15–16, 16f, 33
 - ponds, 189–90
 - power, 151, 180, 187–91, 214, 224
 - radiation, 7–16, 19, 22
- Solomon Islands, 255
- Solvents, 170
- Somalia, 278
- Songbirds, 47, 97
- Sorghum, 129
- South Africa, 137, 230, 235, 243–4, 258–63, 276, 279, 282
 - nuclear power, 191, 223
 - population, 270
- South America, 188, 289
 - climate change, 133–4
 - CO₂ emissions, 58–60, 221
 - cropland, 229–30
 - deforestation, 250
 - forest, 230, 245
 - population, 230
- South Asia, cropland, 229–30
- South Atlantic, geology, 28
- South China Sea, 48
- South Korea, 278
 - power, 220
- South Pole, 18
- Southeast Asia
 - cropland, 229–30
 - deforestation, 98, 246
 - forest, 39, 106, 245
- Southern Hemisphere, 19, 33, 123f, 124f
- Southern Ocean, 20
- Southern Oscillation, 18–19, 21f, 136
- Soviet Union, 141, 150, 201, 230, 244, 276–7, 279, 288–9
 - agriculture, 227, 238–9
 - climate change, 134, 136
 - CO₂ emissions, 58–60, 221
 - coal, 174, 289
 - cropland, 228–30
 - fishing, 107
 - forest, 37–43, 69, 99–101, 107, 238
 - gas, 177, 222
 - geotherm, 115
 - hydroelectricity, 184, 188
 - methane, 65, 218, 221
 - nature reserves, 239
 - oil, 177
 - population, 273
 - rivers, 118
 - solar power, 190
- Soybeans, 129
- Spain, 107, 158, 167, 205
- Species extinction, 106
- Spray cans, 169–71
- Sri Lanka, 98, 168, 230, 278
- St. Lawrence River, 133
- Saint Paul, 301
- Status of women, 282–4
- Stealth bomber, 256
- Steppe, 231
- Stockholm Conference, 144, 152–5
- Storks, 46, 261
- Stratopause, 17f, 20f
- Stratosphere, 10, 17f
 - CFCs, 73–4
 - mass, 307
 - ozone, 74–8
- Streetcars, 161, 163–4
- Subduction zones, 28, 30f, 31, 32f
- Subsidy, agriculture, 227–8, 238
- Sudan, 137, 266, 278
- Suess, E., 7
- Sugarcane, 129, 231
- Sulfur, 28, 85, 86f
- Sulfur dioxide, 175, 178, 234, 307
- Sulfuric acid, 305–6
- Sumatra, 265
- Sun, 4–16
 - brightening, 15–6, 16f, 33
 - surface temperature, 14f, 16f
- Suriname, 249
- Swaps, debt, 254–6
- Swaziland, 244
- Sweden, 159, 167, 170, 245f, 269, 278, 280
 - nuclear waste, 207–8
 - power, 188, 214
- Sweet potatoes, 231

Cambridge University Press

978-0-521-42579-7 - Leaving Eden: To Protect and Manage the Earth

E. G. Nisbet

Index

[More information](#)*Index*

357

- Swift, J., 266
- Switzerland, 48, 161, 164–7, 188, 200, 212, 214, 238, 245f, 263, 266, 269
 - nuclear waste, 207–8
 - pollution, 178
- Synfuel, 264f
- SYVAC, 207
- Taiwan, 107
 - power, 214, 220
- Tambora, 33
- Tangshan earthquake, 206
- Tanzania, 244, 276, 278–9
- Tax credits, science, 256
- Taxis, 179
- Tay bridge, 215
- Temperature
 - double CO₂, 120f, 121f, 126f, 127f, 130f
 - Earth, 114f
 - worldwide, 112–15
- Teosinte, 233
- Tertiary, 15, 19
- Texas, 160
- Thailand, 186–88, 230, 234–5
 - climate, 134, 136
 - debt, 255
 - deforestation, 248–9
 - forest, 98, 245–6
- Thermoelectric power, solar, 189–90
- Thermosphere, 17f
- Theroux, P., 222
- Thorium, 194
- Three Mile Island, 191, 201, 204
- Tibet, 135
 - deforestation, 247–8
- Tickell, Sir Crispin, 144
- Tidal power, 180, 184–7
- Timescale, geological, 6f
- Tocantins River, 186
- Togo, 230, 255
- Tokyo, 290
- Tomatoes, 231
- Toronto, 236
- Toronto conference, 155–6
- Tourism, 242–4, 262–3
- Town planning, 161–7
- Trace metals, 85–8
- Transcaucasia, 231
- Transient warming, 122–3, 123f, 124f
- Transpiration, 295
 - forest, 38
- Treaty of Rome, 285
- Tree ferns, 258
- Triassic, 5
- Tripsacum, 233
- Triticum tauschii*, 231
- Tropical forest, 247
- Tropical moist forest, 249
- Tropopause, 17f, 20f
 - definition, 17
- Troposphere, 11, 16, 17f
 - mass, 307
 - ozone, 79–80, 79f
- Tucurui Dam, 185
- Tucurui hydro scheme, 251
- Tundra, 45
- Tunisia, 190, 278
- Turkey, 231, 290
- Uganda, 138, 143, 280
- U.K. Meteorological Office model, 120f–121f, 126f, 127f, 130f, 131f
- Ukraine, 100, 239
- Ulster, 228
- Ultraviolet light, 10, 20f
- U.N., 239
 - Stockholm Conference, 144, 152–5
- Union Carbide, 103, 103f, 106
- United Kingdom, 165–7, 177, 186–7, 202, 222, 230, 245f, 250, 265, 276, 278
 - CFC, 171
 - CO₂ emission, 60, 154, 221–2
 - coal, 175–6, 212
 - conservation, 164
 - cropland, 235
 - emissions, 183, 221–2
 - gas, 178
 - ice age, 48
 - methane, 219–20
 - nuclear cost, 210
 - power, 222
 - wind, 190
- Universities, 162
- Uranium, 213
 - dioxide, 201
 - exploration, 208
 - fluoride, 201
 - reserves, 212–3
 - 235, 193–4
 - 238, 193–4
- Urban rail, 163, 165–7
- Urbanization, 242
- Urucú oil, 251
- Uruguay, 280
- U.S.A., 230, 244, 245f, 250, 252, 276, 278, 280, 285, 287–8, 292–3
 - agriculture, 227, 287
 - CFC, 149, 170–3
 - climate, 132–3
 - CO₂ emission, 60, 221
 - conservation, 159–60
 - Corn Belt, 233
 - emissions, recapture, 256
 - forests, 101
 - hydroelectricity, 184, 188
 - methane, 218–21
 - oil reserves, 177
 - population, 273
 - power, 223
 - Southwest, 189

- U.S.A. (*cont.*)
 - trade, 158
 - transport, 181
- USSR *see* Soviet Union
- van der Plonk, Sir C., 181
- Vanilla, 231
- Várzea station, 251
- Vegetation, change, 92–108
- Veld, 264f
- Venezuela, 188, 219–20, 230, 239, 245, 255, 263, 276
- Venus, 13, 16, 26, 29, 33, 73
 - atmosphere, 26
 - greenhouse effect, 13
 - surface temperature, 13, 26
- Vernadski, V. I., 6
- Victoria Dam, 186
- Victoria Falls, 174, 187
- Vietnam, 135, 186, 249
- Vikings, 125
- Virgil, P., 299
- Vladivostok, 290
- Void coefficient, 197, 199, 205
- Volcanoes, 15, 28–33, 30f, 32f
 - nuclear waste, 208
- Volta dam, flooding, 185
- Vostok core, 47
- Wales, 177
- Walker cell, 18, 19f, 20f, 21f
- Washing machine, 160
- Washington, 170, 266
- Waste
 - chemical, 208
 - nuclear, 207–9
- Water, 306
 - greenhouse effect, 8f, 9, 10, 12, 14f
 - reservoirs, 24f
- Watson, A. J., 15, 16f, 44
- Wave power, 187–91, 224
- Wells, G. L., 253
- West Antarctic ice sheet, 119
- Wheat, 129
 - primitive, 231
 - rust, 231
- Wigner energy, 195, 201–2
- Wilderness area, 229–30
- Wind power, 151, 187–91, 224
- Windscale, 195, 201–5, 216
- Winfrith, 200
- Women, status of, 282–4
- World Bank, 247, 253, 298
- World Coal Study, 155
- “Wormwood,” 206
- X rays, 200
- Xenon, 26, 204, 307
- Yellowwood, 259
- Yellowcake, 201
- Yellowknife, 21
- Yemen, 231
- Yew, 259
- Yugoslavia, 55, 231
- Zaire, 130, 145, 148–9, 255, 278
 - hydroelectricity, 184, 188
- Zambezi, 187, 265
- Zambia, 215, 244, 255, 276, 278
 - hydroelectricity, 184
- Zimbabwe, 18, 137, 161–2, 165–7, 180, 188, 215, 230, 235, 239–43, 244, 274, 276, 280, 282
 - biomass power, 190
 - coal, 174
 - land policy, 104–5
 - population, 270–2
 - vegetation, 101–6, 103f
 - war, 185
- Ziyambe, 271
- Zurich, 164–5
- Zvishavane, 101