

- a'a, 336
 Aboriginal Australians (see Indigenous Australians)
 abrasion, 258-259
 absentee landlords, 74
 Abu Dhabi (UAE), 68
 accelerated erosion, 116
 acid rain, 320, 606-608
 acidification, 113, 270
 adaptation, 394, 622
 Addis Ababa (Ethiopia), 39, 49, 470
 adiabatic lapse rates, 340
 adoption, 622
 Adriatic Sea, 245
 advancing coasts, 228
 aeolian action, 295-297
 Africa, 647
 AFTA, 644
 age-sex diagrams, 14, 17, 23, 30, 471
 ageing ratio, 25-26
 ageing, 453, 527, 531
 Agent Orange, 610
 aggradation, 195
 AGRA, 118-119
 agribusiness, 74-75, 424-425, 588-591
 agricultural workforce, 427-428
 agriculture, 65, 66, 74-75, 92-94, 208-218, 271, 298-299, 305-306, 633, 637
 agro-industrialisation, 588-591
 aid, 67, 74, 80
 AIDS, 17-18, 94, 412, 419-420, 454-459
 air freight, 601-604
 air masses, 338-340
 air pollution, 318-319, 342, 505-515, 524, 539
 air pressure, 275, 336-338
 air travel, 358-361, 366, 377-378, 567, 568-571, 579, 601-604, 627, 664
 Airbus Industrie, 579-580
 Âit-Benhaddou (Morocco), 183
 Akureyri (Iceland), 366
 Al Jazeera, 574
 Albania, 463
 albedo, 102, 135, 273, 604
 alcohol fuel, 524
 algae, 203, 604
 algal bloom, 190
 Algeria, 463
 Alice Springs (Australia), 156, 310
 All American Canal, 226
 Alliance for a Green Revolution in Africa (see AGRA)
 alluvial fans, 293-294
 alluvium, 183
 Almere (Netherlands), 627
 Altai Tavan Bogd National Park (Mongolia), 395
 Altay Mountains, 104, 273, 279, 286
 Altiplano (Bolivia), 302-307
 altitude, 273, 274-276, 298-299, 303 (see also high altitude and cold environments)
 Alzheimer's disease, 453
 Amazon Basin, 135
 Amity Foundation, 419-421
 Amsterdam (Netherlands), 476
 Amu Darya, 126-129, 212-218
 anabranches, 294
 anaerobic environments, 590
 Andes Mountains, 273, 285
 Angkor (Cambodia), 403, 467
 anopheles mosquito, 78
 Antarctica, 410-411
 anti-globalisation movements, 660-661, 665-667
 anti-malthusians, 148-152, 157
 anti-natalist policies, 26
 anti-realists, 115
 anticyclones, 337
 aquaculture, 271
 aquicludes, 196-197, 290
 aquifers, 179, 196-197, 290
 Aral Sea, 212-218
 Arba Minch (Ethiopia), 118, 237
 arbitrary boundaries, 647
 arch, 259
 Archbold, Richard, 632, 636
 arcuate deltas, 257
 arêtes, 276, 284-285
 Argentina, 459
 arguments, 349-350
 arid environments, 279-281, 289-298, 307-318, 323-328
 arid processes, 289-298
 aridity, 289
 Aristotle, 661, 672
 arroyos, 293
 artesian basins, 196-197, 290
 Arthur's pass (New Zealand), 181
 artificial dunes, 266-267
 artificial seaweed, 266
 artisans, 465
 ASEAN, 644
 Ashgabat (Turkmenistan), 58, 124-125, 128, 465
 Asif Imini Valley (Morocco), 430
 Asmara (Eritrea), 71, 521
 aspect, 276
 Aswan High Dam (Egypt), 189-190
 AT Kearney index of globalisation, 560-561
 Atatürk Dam (Turkey), 188, 427
 Athabasca Glacier (Canada), 287, 329
 Athens (Greece), 91, 607
 atmosphere, 100-104, 138-139, 332
 atmospheric brown clouds, 323
 atmospheric circulation, 102-104, 340
 atmospheric pressure (see air pressure)
 atolls, 268
 Auckland (NZ), 169, 246, 261
 Auschwitz (Poland), 654
 Australia, 19, 21, 66-67, 77, 153, 164, 390, 444-445, 463, 574, 592-599
 autotrophs, 131
 Avery, Dennis, 443
 aviation (see air travel)
 axiom, 383
 Axum (Ethiopia), 450, 467
 Ayers Rock (see Uluru)
 backswamps, 193-194
 backwash, 253, 262
 badlands, 310-311
 Bagmati River (Nepal), 322
 bajada, 294
 Bali (Indonesia), 209-211, 434-435
 Baliem Valley (Indonesia), 631-640
 Bamako (Mali), 62
 Banda Aceh (Indonesia), 361
 Bangkok (Thailand), 63, 196-200, 368, 495, 515-516, 523, 585, 617
 bank erosion, 205-206
 bank scour, 193
 Banz (PNG), 423
 bar, 248-249
 Barcelona (Spain), 371
 barchans, 296
 Bahía de los Piratas (Costa Rica), 245
 Barragoot Beach (Australia), 251
 barrier islands, 256
 barrier reefs, 267-268
 barrier systems, 256-257
 barriers to diffusion, 447, 449
 base level, 179
 Bayan-Ulgii (Mongolia), 392
 bayhead barriers, 256
 bayhead beaches, 253
 baymouth barriers, 256
 bayside beaches, 253
 BBC, 566, 574
 beach nourishment, 261, 266
 beach ridges, 256
 beach, 16, 237, 253-255, 367-368
 beachrock, 251
 bed load, 181-182, 191
 Bega (Australia), 181, 595
 Bega River (Australia), 185
 begging, 472, 522
 Beijing (China), 72, 372, 374, 376, 506-507, 510-513, 525-527, 574, 616, 625
 Belgium, 463
 bellbird-psyllid association, 600
 Bendiwan (China), 93
 beri-beri, 450
 Berlin (Germany), 21, 647
 Berlin Wall (Germany), 647
 berm, 248-249, 254
 Bethlehem (Israel/Palestine), 660
 Bhodnath (Nepal), 39
 Bhopal (India), 341, 611
 bias, 559
 bid-rent theory, 492
 bidding cities, 375
 Bie, Stein, 152
 bifurcation ratio, 180
 bilateral agreements, 91
 bilateral descent, 325
 bilharzia, 79, 188, 448
 biodiversity, 113, 129-136, 144, 269
 biofuel, 524, 604
 biogas, 420
 biological hazards, 216, 349
 biological processes, 251, 259
 biomass, 133, 169
 biomes, 129-132
 biosphere, 129, 276-277, 332
 birds, 342
 birdsfoot deltas, 257
 birth control, 27
 birth rate, 11-13, 65
 Bison Waterfall (DPRK), 383
 Black Forest (Germany), 21
 Blackburn (UK), 54, 466
 Blair, Tony, 53
 bleaching, 270
 blight, 479-480, 528
 blowhole, 259
 blowouts, 256
 BMI, 452
 Bodie Island (USA), 263, 264
 body mass index, 452
 Bolivia, 19, 66-67, 77, 153, 164, 302-307, 390, 463
 bores, 197
 Botany Bay (Australia), 253
 Boulder (USA), 421, 432
 boulder beaches, 253-254
 boundaries, 607, 646-647
 Bournda (Australia), 247
 box canyon, 294
 braided channels, 191
 Brandt Commission, 611
 Brandt Line, 61
 Brazil, 73, 463, 574 (see also Curitiba)
 Brazos River (USA), 192, 193
 breakwaters, 261, 266
 breastfeeding, 451-452, 626
 Bretton Woods, 578
 Brussels (Belgium), 537, 645
 broads, 201-208
 brown clouds, 323
 Brown, Lester, 441, 443
 brownfield site, 462, 548
 Brundtland Report, 612
 Buda Castle (Hungary), 608
 Budapest (Hungary), 473, 608, 655
 Buddhism, 39, 48, 319, 380, 495, 497, 622, 625, 664
 Buenos Aires (Argentina), 525-526
 Buffett, Warren, 86
 Bukhara (Uzbekistan), 466
 bunds, 210
 burden of ill health, 414
 Burgess concentric model, 492
 Burma (see Myanmar)
 Burnley (UK), 171
 burqa, 53
 Burundi, 463
 Butler's tourism model, 369-370
 buttes, 298
 buttress roots, 132
 CAAC, 568-572
 CAFO, 590
 Cambodia, 493, 577
 Canada, 21, 113, 463, 574

- canal estates, 163, 261-262
cannabis, 629
canopy, 132
Cape Hatteras (USA), 264, 266
capital formation, 92
capitalism, 650
Caracas (Venezuela), 350-351, 470, 523, 527
carbon dioxide, 67, 87, 105, 106, 108-109, 173-174, 232-233, 270, 443, 516, 538-539, 541, 602-604, 612
carbon footprint, 154
carbon offset schemes, 154, 603
Cardiff (UK), 409, 474-475
cargu cult, 640
carnivores, 130
carrying capacity, 365, 403-404
Carson, Rachel, 609
casino capitalism, 580
caste system, 587
cattle raising, 430
CCZ, 538-539
centrifugal movement, 474, 477-480
centripetal movement, 474-477
certainty, 600
CFCs, 411, 611
chador, 52-53
chain migration, 41, 469
channels, 179
Chao Phraya (Thailand), 184-185, 197-200, 368
characteristics of LEDCs, 63-65
Chavez, Hugo, 527
Chechen people, 655
chemical processes, 251
Chengzhong (China), 417-419
Chernobyl (Ukraine), 341, 611
Chicago (USA), 492, 509
child mortality rate, 94
Chimbu Gorge (PNG), 25, 43, 82, 135
China, 13, 19, 20, 21, 27-31, 50, 66-67, 72, 77, 153, 164, 390, 436, 441, 463, 568-573, 574, 643
China's population policy, 27-31
Chinsapo (Malawi), 450
chlorofluorocarbons (see CFCs)
cholera, 121, 508
Christianity, 26, 37, 367, 495, 620-621, 631, 636-639, 661
chronic hunger, 422
Chuandixia (China), 616
circular migration, 45, 469
cirque, 285
Civil Aviation Administration of China, 568-572
civil societies, 666-667
civil war, 324
classical liberalism, 649
clear felling, 594
cliff, 258
climate change, 101, 104-116, 135, 143, 217, 232-236, 270, 279, 286, 323-330, 326, 601-604, 611-612
climate, 429, 592
closed system, 177, 536
Club of Rome, 147-148, 157, 610
CNN, 574
CO₂ (see carbon dioxide)
coal, 156, 168
coastal hazards, 262-263
coastal margins, 245-271
coastal processes, 246-253
coastal terrains, 245
Coca-Cola, 91, 620, 622, 626, 644
coca-colonisation, 622
cod wars, 245
coffee, 82
Coffin Bay (Australia), 256
cognitive dissonance, 438
coherence theory of truth, 115
col, 285
cold and high altitude environments, 273-279, 298-307, 318-322, 327-330
cold winter mid-latitude deserts, 280-281, 289
collecting data, 476
Colombia, 73
colonial influences, 490, 499-500, 621, 663
Colorado River (USA), 169, 223-226, 293, 310
Colorado River Compact, 225
combustion, 130
commercial farming, 431-433, 441
commercialisation, 432-433, 437, 637
Commission on Sustainable Development, 612
commodification, 394
common markets, 644-646
common-sense realism, 282
compartments, 595
competence, 183
composite indicators, 69-70
concave bank scour, 193
concentric model, 492
condensation, 176
cone volcano, 334
confined animal feeding operations, 590
confirmation bias, 559
conflict, 245, 310, 324, 344, 410, 501, 519, 534, 621, 637, 646-648, 651-655
Confucianism, 495
Congestion Charge Zone, 538-539
congestion, 479, 485, 505, 516, 524
conservation of resources, 161-174, 238, 240-242, 596-599
conservation strategies, 166-174, 238, 240-242
conservatism, 650
constructive plate margins, 230, 333
consumerism, 623-624
contact zones, 621
contagious diffusion, 446
contemporary (definition), 10
continental drift, 229, 332-334
contrails, 601-602
conurbation, 480
convergent plate margins, 333
Copacabana (Bolivia), 306
Copacabana (Brazil), 522
copper mining, 80
coral bleaching, 270
coral reefs, 251, 267-269, 270-271
core and periphery, 60, 97-98, 558, 563-565
Coriolis Force, 228
correspondence theory of truth, 115
Côte d'Ivoire, 88
cotton, 126-127, 214, 218
counterurbanisation, 462, 478-479
crag and tails, 288
creep, 181
crescentic bars, 255
crests, 246
crevasses, 284, 286
cricket, 409
crime, 472
crop substitution, 424-425
crop yields, 105
cruise ships, 366
crust, 332-333
Cuba, 463
cultural diffusion, 621
cultural homogenisation, 625-628, 655, 662-664
cultural imperialism, 394, 557, 626
cultural preservation, 628-640
cultural-political boundaries, 647-648
culture, 431, 619-640, 662
culture contact, 90, 392-393, 625, 628-640
curative health care, 415-416
Curitiba (Brazil), 524, 543-548
currents, 228-229
cusplate delta, 257
cusps, 248, 254
customs unions, 644
cycle of poverty, 92-93
cyclones, 337
Dachong (China), 421
Dagon (Myanmar), 483
Dala (Myanmar), 483, 501
Dallas (USA), 92, 477, 478, 491
DALY, 413, 415
dams, 188-190, 225-226
Dandong (China), 565
Dani people, 25, 26, 58, 465, 631-640
Dar-es-Salaam (Tanzania), 17, 236, 472, 613
Darfur (Sudan), 324
Darling Harbour (Australia), 475
Darvaza (Turkmenistan), 341-342
Darwin (Australia), 131, 269
data collection, 476
Dawson City (Canada), 328
DDI, 348
DDT, 609-610
de Bono, Edward, 61
death rate, 11-13, 85
Death Valley (USA), 310-318
debris dams, 178
debt relief, 96
debt trap, 96
decentralisation, 478
decision making, 44, 430
decomposition, 130
deductive logic, 178, 345
Dee Why Lagoon (Australia), 256
deflation, 295
defoliants, 610
deforestation, 106, 136, 165, 319-320
deglobalisation, 664
Delhi (India), 470, 507-508, 521-522
deltas, 257
democracy, 649
democratic socialism, 650
demographic transition model, 15-18, 31
dengue fever, 106
dependency ratio, 25-26
dependency, 97
deposition, 179, 191, 248-250
depositional coastal landforms, 253-257
desalination, 218
Descartes, René, 600
desert, 279 (see also arid environments)
desert armour, 298
desert pavement, 298
desertification, 117, 279-280, 307-309, 323
destructive plate margins, 230, 333
detraditionalisation, 628
detritivores, 131
Dettifoss (Iceland), 195
deurbanisation, 479
developing countries 60, 62 (see also LEDCs)
development, 59-99, 389-395
development (definition) 62
development indicators, 65-71
dewatering, 266
Dhaka (Bangladesh), 39, 63, 76, 448, 467, 469, 489, 494, 505, 517, 518, 522
diapir, 335
diarrhoea, 121, 190, 305, 508
diasporas, 628-631
dieback disease, 596
diet, 450
diffusion, 434, 446, 454, 621
Dimeka (Ethiopia), 326, 592
dimming, 323
Dink, Hrant, 656
directly transmitted diseases, 454
disability adjusted life years (see DALY)
disaster deficit index, 348
disaster reduction index, 348
disasters, 140, 331-363
discharge, 181-184
discrimination, 447, 534
diseases (see health)
diseases of affluence, 444, 451-454
diseases of poverty, 443-444, 447-451, 508
Disneyland (USA), 365
disparities, 59-99, 624
dissolved load, 182
distance decay, 491 (see also time-distance decay)
distribution of food, 424
distribution of wealth, 68, 85
diurnal range, 289
Djenné (Mali), 10, 91, 121, 163, 465
Djibouti, 39, 48, 76, 78, 324, 326, 626
dog meat, 450
Doha (Qatar), 574, 582
donor fatigue, 113
dormitory function, 460
Douentza (Mali), 163
DPRK (see North Korea)
drainage basins, 177, 179-185
drainage density, 180
drainage divide, 177
DRI, 348
drinking water, 120-121, 128, 139, 186, 324
droughts, 113, 235-236, 295, 338-340, 351
drug-resistant bacteria, 445
drumlins, 288
dry adiabatic lapse rate, 340
dry creeks, 293
Dubai (UAE), 154, 237, 327-328, 617

- Dubrovnik (Croatia), 466
 Dump Hill (Cambodia), 519, 584
 dune stabilisation, 266-267
 dune-rock, 251
 dunes, 255-256, 261, 262-267, 295-296, 313, 315
 Dunhuang (China), 295, 297, 330
 dust storms, 117, 290
 duty ethics, 150
 dykes, 203
 dynamic equilibrium
- Earth Day, 610
 Earth Summit, 612
 earthquakes, 188, 278, 331-336, 351-355
 earthrise, 609
 ecocities, 536
 ecological footprint, 146, 153-154, 462, 538, 548
 ecological niche (see niche)
 ecologism, 651
 economic carrying capacity, 404
 economic development, 62-63, 94, 431 (see also development)
 economic flows, 578-587
 economic growth, 62-63
 economic interactions, 578-587
 economic unions, 644-646
 Ecoprofit, 550
 ecosystems, 129-132, 218-219, 242-243
 ecotourism, 166, 361, 385-389
 Eden (Australia), 166, 593-599
 education, 44, 58, 76-79, 84-85, 93, 383, 528-529, 638, 639
 EEZ, 228, 244-245
 efficiency, 435, 589
 Egypt, 20, 189-190
 Ehrlich, Paul, 9, 11, 147-149, 152, 425
 El Niño, 80, 105, 112, 233-236, 340
 Eldfell (Iceland), 140, 336
 electricity, 67, 433-434
 electronic road pricing, 479
 electronics industry, 564
 emergents, 132
 emigration, 40
 emotion, 61
 emulation, 663
 encephalitis, 639
 endocrine disruption, 591
 energy efficiency ratios, 440-441
 energy efficiency, 435, 589
 energy flow, 130, 233
 energy, 113, 129-130, 142, 157, 159, 163-165, 232-233, 605
 English language, 626, 627
 enlightenment, 634
 ENSO (see El Niño)
 entrepreneurialism, 527
 environmental awareness, 608-612
 environmental carrying capacity, 365, 404
 environmental change, 588-618
 environmental degradation, 591-592
 Environmental Kuznets Curve, 606
 environmental lapse rate, 340
 environmental migration, 325
 environmental refugees, 325
 environmental sustainability (see sustainability)
 environmentalism, 651
 ephemeral streams, 185, 293, 327
- EPZs, 95-96
 equity, 40, 48, 54-58, 71-73, 94, 115
 Er Rachidia (Morocco), 297-298
 Erebor tribe, 64, 324, 326, 663
 ergs, 295-296
 Eritrea, 19, 66-67, 77, 153, 390, 453
 erosion setback line, 267
 erosion, 105, 116-120, 135, 178, 179, 181, 189, 191, 204-205, 248-250, 262-267, 303-304, 320-321, 598-599
 erosional coastal landforms, 258-260
 ERP, 479
 erratics, 288
 eruptions (see volcano)
 Esfahan (Iran), 53, 160
 Estonia, 463
 ethical objectivism, 151
 ethical subjectivism, 150
 ethics, 150-151, 672
 Ethiopia, 19, 66-67, 73, 77, 153, 164, 390, 628-631, 642
 ethnicity, 72, 480, 501, 522, 529, 533-534, 648, 651-652
 Etosha National Park (Namibia), 404-406
 eucalyptus trees, 594-599
 European Commission, 645
 European Union, 645-646, 656-657
 eustatism, 252
 eutrophication, 203, 243
 evaporation, 122, 176, 188, 217, 289, 323
 evaporites, 293
 evapotranspiration, 289
 Everglades (USA), 218-223
 exchange rates, 69
 exclusive economic zone (see EEZ)
 exotic rivers, 293
 expansion diffusion, 446, 621
 export leakage, 392-393
 export processing zones (see EPZs)
 exports, 64
 expressways, 505
 external forces, 90-91
 extreme environments, 272-330
 exurbanisation, 479
 Exxon Valdez, 611
 Eyjafjallajökull (Iceland), 358-361
- factors of location, 605
 factory farms, 588-591
 fair trade, 427, 665
 falsificationism, 178
 family planning, 26-37
 farm size, 435-436
 farming (see agriculture)
 fascism, 650
 fast food (see KFC, McDonald's, Pizza Hut)
 feedback, 328
 feminism, 650-651
 fertilisers, 75, 131, 190, 427, 590
 fertility, 14, 25-37
 Fez (Morocco), 91
 Fiji, 463
 finance industry, 580-582
 financial centres, 580
 financial deregulation, 580
 financial flows, 91, 578-584
 finiteness, 151-152
 fishing, 141, 204, 216, 236-242, 270, 328, 589, 591, 666
 Fjarðrárgljúfur (Iceland), 139
- fjords, 252, 284
 flash flooding, 292-293
 flood peak, 185
 flood period, 184-185
 flood scour, 195
 flooding, 113, 184-185, 202, 343, 519-521, 598
 floodplains, 183, 190-196, 547-548
 Florida Everglades (USA), 218-223
 flunkeyism, 669-670
 folding, 278
 food, 73, 139, 421-443
 food aid, 74
 food availability, 424
 food chain, 130
 food miles, 413, 441-442, 601
 food preferences, 450-451
 food production, 425-426
 food storage, 450
 food sufficiency, 429-432
 food web, 131
 foredune, 255
 foreign investment, 523, 582, 644
 foreign remittances, 584
 forestry, 165-166, 168-169, 592-599
 France, 463, 574
 free trade areas, 644
 freezing, 176
 freshwater, 187
 Friðleifsdóttir, Siv, 137
 fringing reefs, 267-268
 fuelwood, 49, 163, 165, 169, 302, 319, 324, 591-592
 fulfilled human life, 672
 fumaroles, 334
 fundamentalism, 661
 Furnace Creek (USA), 310, 312
- GAP scheme (Turkey), 427
 Garvey, Marcus, 629-631
 gas craters, 341-342
 Gascoyne Basin (Australia), 308
 Gates, Bill, 86
 GATT, 579
 gay and lesbian movement, 663
 GDI, 54, 56, 63, 70, 86
 GDP per capita, 65, 68
 GDP, 68
 GEM, 54-55, 70, 86
 Gender Empowerment Index (see GEM)
 Gender-related Development Index (see GDI)
 gender, 36, 48-58, 94, 324, 343, 629, 656
 General Agreement on Tariffs and Trade (see GATT)
 genocide, 519
 gentrification, 474, 484-485
 geographic (definition), 10, 241
 geographic development, 59-63
 geometric boundaries, 646
 geophysical disasters, 349
 geopolitical (definition), 146
 geopolitics, 244-245 (see also politics)
 George, Henry, 151
 geosequestration, 173-174
 geothermal power, 142, 170
 Germany, 21, 463, 574, 647
 Getis, Getis and Fellmann's model, 493
 geysers, 334
 Geysir (Iceland), 334
 Ghana, 63, 78, 620, 628
- gibber desert, 298
 glacial environments, 273, 282-288
 glacial periods, 251 (see also climate change)
 glacial retreat, 329
 glacial troughs, 283-284
 glaciers, 283
 glaciostatic changes, 252
 Gladstone (Australia), 250
 glasshouses, 432
 Glenbog State Forest (Australia), 595
 Glenelg (Australia), 261
 Global 2000 Report, 611
 global cooling, 135-136
 global dimming, 323
 global financial industry, 580-582
 global heat budget, 102-104
 global scale, 101
 global scepticism, 559
 global triad, 564
 global village, 573
 global warming (see climate change)
 globalisation index, 557, 560-563
 globalisation, 85, 445, 446, 527, 556-672
 globalised goods, 665
 glocalisation, 557, 662, 665
 GNI, 60, 65, 66, 68
 GNP per capita, 87, 89
 GNP, 68
 Gobi Desert, 280, 295, 297, 330
 Gold Coast (Australia), 260
 gold standard, 578
 Gonder (Ethiopia), 518, 591
 Gonghe (China), 50, 419
 Google, 574
 Gore, Al, 114-115, 612
 Goroka (PNG), 80
 Goulmim (Morocco), 298
 gradient, 180
 graffiti, 474, 526, 527, 531-532
 Grand Canyon (USA), 223, 293
 gravel fans, 313
 Graz (Austria), 550
 Great Artesian Basin (Australia), 196-197
 Great Barrier Reef (Australia), 267, 271
 Great Green Wall (China), 512
 Green Revolution, 75, 437-440, 442
 green trekking, 302
 green walls, 537
 greenhouse effect, 103-104, 610-611
 greenhouse gases, 109, 111, 173-174, 438, 516
 greenhouses, 430 (see also glasshouses)
 Greenland, 104, 238, 251, 328, 642-643
 grey water, 187
 Grindelwald (Switzerland), 284, 319
 Gross Domestic Product (see GDP)
 Gross National Income (see GNI)
 Gross National Product (see GNP)
 groundwater, 188, 196-200
 group tours, 366
 growth poles, 97
 groynes, 253, 261, 266
 Guanzhou (China), 29
 guarded compounds, 481, 486
 guinea worm disease, 448
 Gullfoss (Iceland), 141

- gully erosion, 117-118, 181, 320
gyres, 228
Gyula (Hungary), 427, 431
- Haast River (New Zealand), 182
Hachiro-gata (Japan), 426
Hafragilsfoss (Iceland), 195
Hahei Beach (New Zealand), 254
Haiti, 463
HALE, 409-411
Hall, Peter, 613
halocline, 232
halophytic plants, 255, 269
hammocks, 220
hanging valleys, 283, 285
Hanoi (Vietnam), 451, 621
happiness (see also welfare), 69, 151, 672
Harbin (China), 28, 417
Harris and Ullman's model, 492
Hartmann's Valley (Namibia), 386-387
Harvey, David, 627-628
Hatta (UAE), 68
Hawaii, 335-336
Hawkins tourism model, 370
hazard event (definition), 331, 351
hazard event prediction, 348-350
hazard mitigation, 262
hazards, 262-263, 278, 303, 328, 331-363
HDI, 55, 66, 70, 72-73, 86, 88-89
health adjusted life expectancy (see HALE)
health, 76-79, 83-84, 94, 106, 113, 121, 136, 215-216, 305, 324, 412-421, 441-459, 590, 635
health quality, 446, 508, 512
heat budget, 102-104
heat island, 509-510, 513
Heimaey (Iceland), 140, 254, 336
hepatitis, 121
Heraclitus, 649
herbivores, 130
Hecang (China), 325
heritage tourism, 365
Heron Island (Australia), 268
heterotrophs, 131
Heyerdahl, Thor, 610
hierarchical diffusion, 446
high altitude and cold environments, 273-279, 298-307, 318-322, 327, 330
high energy shoreline, 245, 254-255
high pressure cells, 337
high rise housing, 480, 525, 530-531
high yielding varieties (see HYVs)
hijab, 51-54, 656
Hillary, Edmund, 302
hillslopes, 179
Himalayas, 273-279, 335
Himba people, 154, 325-326, 386, 663
hindsight bias, 559
Hinduism, 15, 72, 301, 486, 495, 522
hindune, 255
Hiroshima (Japan), 654
HIV (see AIDS)
Hjulström curve, 190-191
Hobbes, Thomas, 649
holocaust, 653-654
Holocene, 252
homo faber, 668-669
homogenisation of landscapes, 613-618, 625
homogenism, 560
homosexuality, 663
honeycomb weathering, 251, 259
Hong Kong, 237, 239-242, 407, 480, 601, 664
Hooghly River (India), 448
Hoover Dam (USA), 169, 226
horns, 284, 286
Hossana (Ethiopia), 118
hot spot, 335-336
Hotelling, Harold, 148
housing, 64, 75, 305, 517-518, 525, 530-531, 547, 635, 639, 667
Hoyt's sector model, 492
HPI, 70-71, 86
Human Development Index (see HDI)
Human Poverty Index (see HPI)
human powered transport, 517
human sciences, 241
human trafficking, 585
human-induced hazards, 341-342
humid terrains, 179
humus, 130
hunger, 93, 422-424
Hungry Steppe, 213, 214, 217
hunting, 328
Hurricane Dennis, 264
hurricanes (see tropical cyclones)
Húsavík (Iceland), 141
Hverarönd (Iceland), 334
hybridisation, 623, 626-627
hybrids, 437
hydraulic action, 181
hydro-electricity, 169-170
hydro-meteorological disasters, 348-349
hydrological cycle (see water cycle)
hydrosphere, 332
hydrothermal reactions, 227
hyperglobalisationism, 558-559
HYVs, 75, 426, 437-440
- IBRD, 579, 583
ice ages, 282-283 (see also Pleistocene)
Iceland, 137-144, 358-361
ICQ, 574
ICT, 543, 573-574, 576-577, 581, 586-587, 627
ideologies, 649-651
illegal immigration, 658
illiteracy (see literacy)
IMF, 580, 583, 661, 666-667
immigration, 40, 532-534, 657-660
immunisations, 449
import leakage, 392
import substitution, 83, 95
incipient foredune, 255
income distribution, 83
India, 13, 19, 33-37, 66-67, 73, 153, 164, 390, 463, 574, 586-587
India's population policy, 33-37
Indian Ocean tsunami, 355-358
indicators of development, 65-71
indices of globalisation, 557, 560-563
Indigenous Australians, 72, 444-445, 642
indigenous peoples, 302-303, 318, 329
individual travel, 367
indoctrination, 383
Indonesia, 19, 66-67, 77, 153, 164, 390, 463, 574 (see also Irian Jaya)
inductive logic, 178, 345
industrial revolution, 466
industrialisation, 95-96
infant mortality, 18
infant mortality rate, 12, 17, 94
informal sector, 522
information communication technology (see ICT)
information flows, 585-587
infrastructure, 92, 376, 392-393, 519
Inle lake (Myanmar), 431
innate ideas, 600
inputs, 179
insects, 74
inselbergs, 297
insolation, 102
insurance, 113
intensification, 481, 485
inter-tropical convergence zone, 338
interception, 177
intercropping, 135
interculture, 135, 589
interfluves, 179
interglacials, 251, 282
Intergovernmental Panel on Climate Change (see IPCC)
intermittent streams, 185
internal capital formation, 92
internal drainage, 293
International Bank for Reconstruction and Development (see IBRD)
International Monetary Fund (see IMF)
International Olympic Committee, 371
International Rice Research Institute, 437-438
international tourist arrivals, 366, 389
International Union for Conservation of Nature, 608, 611, 612
internet, 67, 71, 521, 572-574, 576, 665
interpenetration, 663
Intha people, 431
intuition, 61
investments, 582
involuntary migration, 38
IPCC, 110-116, 270-271, 323, 601
Iran, 19, 52-53, 66-67, 68, 77, 153, 160, 164, 390, 561, 574
Irian Jaya, 39, 146, 626, 631 (see also Dani people)
Irrawaddy Delta, 102
Irrawaddy River (Myanmar), 195, 257
IRRI, 437-438, 442-443
irrigation, 75, 120, 122, 125-129, 208-218, 309-310, 328, 426-427, 589
Isis temple (Egypt), 190
Islam, 51-54, 64, 495, 522, 534, 621, 631, 637, 655-657
Islamic fundamentalism, 651, 664
island arcs, 334-335
isobars, 336-338
Israel, 626, 642
Istanbul (Turkey), 623, 656-657
Italy, 574
ITCZ, 338
IUCN, 608, 611, 6012
- Jabal Hafit (UAE), 122
Jakarta (Indonesia), 122, 489-490, 508, 522, 525, 583
Jama ad-Din (Turkmenistan), 51
Jamaica, 628-631
Japan, 19, 66-67, 77, 153, 164, 390, 463, 574
Jasper (Canada), 328, 330
jatropa, 604
Jewish diaspora, 628
jingoism, 655
Jökulsárlón (Iceland), 105
Jos (Nigeria), 32
juche philosophy, 668-671
Judaism, 534
- Kaesong (DPRK), 670
Kakadu National Park (Australia), 162
Kakum (Ghana), 133
Kalgoorlie (Australia), 592
Kalutara Beach (Sri Lanka), 356
Kant, Immanuel, 150
Karakum Canal, 126-129
Karakum Desert, 124, 281, 341-342
Kata Tjuta (Australia), 297
katabatic wind, 276
Kathmandu (Nepal), 169
Kazakhstan, 212-218
Kearney index of globalisation, 560-561
Kenya, 19, 66-67, 77, 153, 164, 390, 463
Kerala (India), 34-37
Kerala's population policy, 34-37
KFC, 451, 565, 617, 624
Khiva (Uzbekistan), 214
khlongs, 197-200
Kiama (Australia), 247
Kiev (Ukraine), 605
Kim Il Sung, 378, 380-382, 668-672
Kim Jong Il, 378, 668-672
Kinka (Ethiopia), 49
KOF index of globalisation, 561-563
Kolkata (India), 448, 489, 496, 517, 614
Konso (Ethiopia), 117, 408, 431
Konye-Urgench (Turkmenistan), 117
Koran (see Qu'ran)
Korea (see North Korea, South Korea)
Korean War, 378-379, 671
Kosovo, 643
Kouroukou (Mali), 90
Krafla (Iceland), 142, 170, 334
Kuala Trengganu (Malaysia), 16
Kuching (Malaysia), 392
Kumasi (Ghana), 78, 186
Kunene River (Namibia), 386
Kunming (China), 425, 436-437
Kurds, 642, 655
Kuznets Curve, 606
kwashiorkor, 450
Kyoto Protocol, 109-116, 143, 612
Kyrgyzstan, 73
- La Boca (Argentina), 525-526
La Niña, 235
La Paz (Bolivia), 39, 303-307
labour flows, 584-585, 605

- Lakagígar (Iceland), 143, 334
 Lake Assal (Djibouti), 293
 Lake Hachiro-gata (Japan), 426
 Lake Issuk-Kul (Kyrgyzstan), 309
 Lake Mývatn (Iceland), 142
 Lake Okeechobee, 218-223
 Lake Titicaca, 306
 Lalibela (Ethiopia), 407, 417
 laminar flow, 182
 land reform, 436
 land use, 491-504
 landlords, 74
 landslides (and landslips), 181, 283, 321, 328
 language, 71, 574, 579, 620, 626, 627, 641
 lapse rates, 340
 Las Vegas (Nevada, USA), 224
 Las Vegas (New Mexico, USA), 658
 lateral migration, 193
 lateral moraine, 285, 287
 lava flows, 336
 LDI, 348
 leaching of soils, 119
 league system, 395
 leakage, 392
 least developed countries, 62
 LEDCs, 62-99
 left wing, 649
 Leiden (Netherlands), 479
 Leirhnjúkur (Iceland), 141
 leisure, 364-365, 371-377, 395-396, 407-410
 leisure hierarchy, 407-408
 Leninism, 650
 leprosy, 447
 Less Economically Developed Countries (see LEDCs)
 levees, 194
 liberalism, 649
 libertarianism, 649
 Libya, 463
 life expectancy, 11-13, 56, 66, 70, 412-415
 lifestyle diseases, 453-454
 lightning, 113
 Lijiang (China), 367, 408, 450
 Lilongwe (Malawi), 93
 limiting factors, 131
 Limits to Growth, 147-148, 157, 610
 literacy, 56, 65, 66, 70, 78, 585, 638
 lithosols, 280
 lithosphere, 331-332, 430
 littoral drift, 228
 living conditions, 519-521
 Liwa Oasis (UAE), 295, 296, 330
 load, 181-182
 local disasters index, 348
 local scale, 101
 location factors, 605
 loess, 511
 logging (see forestry)
 logic, 178
 Lomborg, Bjørn 110
 London (UK), 481, 489, 528-535, 537-543, 614
 London Docklands (UK), 474, 541-542
 Long Reef (Australia), 256
 long-wave radiation, 102
 longitudinal dunes, 296-297
 longshore drift, 253, 261, 266
 Los Angeles (USA), 477, 513-515
 loss of mangroves, 271
 loss of reefs, 270-271
 Lovell, Jim, 609
 low energy shoreline, 245, 254, 258
 low pressure cells, 337
 Luang Prabang (Laos), 584, 664
 lunettes, 297
 Ma Chan (China), 447
 Maastricht (Netherlands), 473
 Macau (China), 642
 Mago National Park (Ethiopia), 404
 Majiang county (China), 417-421
 malaria, 78, 94, 106, 448-449
 Malawi, 19, 66-67, 77, 153, 390
 Malaysia, 19, 66-67, 77, 129, 153, 164, 390
 Mali, 19, 55, 66-67, 77, 153, 390
 malnutrition (see nutrition)
 Malthus, Thomas, 9-10, 148
 Malthusian outlook, 9-10, 92, 147-152, 610
 management strategies, 137-144, 240-242, 260-262, 263-267, 307-318, 410-411, 550-554, 592-599
 Manakah (Yemen), 118
 Mandalay (Myanmar), 48, 75
 mangroves, 269, 271
 Manila (Philippines), 106, 108, 343-344, 449, 471, 495
 Manning's roughness coefficient, 183
 mantle, 332-333, 335
 manufacturing, 95, 477, 512, 604-606
 manure, 172, 416
 Mao Zedong, 27
 Maori people, 619-620
 maps, 575
 Maramba (PNG), 44, 83
 marasmus, 450
 marine ecosystems, 242-243
 marine processes, 246-250
 Marley, Bob, 627, 629, 631
 Marrakesh (Morocco), 95
 marram grass, 255
 marriage, 27-28, 50
 Martin, Ron, 578
 Marxism, 650, 668-669
 Mary (Turkmenistan), 126, 127
 masking, 323
 mass consumer culture, 620-624
 mass gymnastics, 380
 mass movement, 181
 Massawa, Eritrea, 64, 324, 344, 518
 Matterhorn (Switzerland), 300
 Matumbulu (Tanzania), 425
 Mauna Loa (USA), 109, 336
 Mbabane (Swaziland), 574
 McDonald's, 523, 558, 620, 622-623, 662
 McLuhan, Marshall, 573, 628
 Meadows, Dennis, 148, 157
 meander scar, 193-194
 meanders, 191-194
 meat production, 442-443
 mechanisation, 75
 mechanised farming, 126, 427, 434
 medal tallies, 372-373
 medial moraine, 285-287
 medical care, 416
 medical clinics, 50, 385, 417-421
 Medjugorje (Bosnia-Herzegovina), 367
 megacity, 462, 487-491
 megacusp, 248, 254
 Mekong River (Vietnam), 182, 188, 257
 Melbourne (Australia), 477
 Melbourne Principles for Sustainable Cities, 536-537
 melting, 176
 Mercali scale, 351-352
 Merced River (USA), 182
 MERCOSUR, 644
 Merv (Turkmenistan), 117, 125
 mesas, 297-298
 mesopause, 100
 mesosphere, 100-101
 methane, 114
 Mexico, 19, 66-67, 77, 153, 164, 224-226, 390, 463, 574, 586, 657-660
 Miami (Florida, USA), 163
 Miami Beach (Australia), 261
 Miao nationality, 418, 434
 microclimate, 425, 509-510
 Micronesia, 268
 Mid Atlantic Ridge, 140-141, 333-334
 mid bay barriers, 256
 migration, 10, 37-48, 532-534, 584-585, 618
 Milan (Italy), 474
 Milford Sound (NZ), 252
 military spending, 654
 Mill, John Stuart, 649
 Millennium Development Goals, 93-94, 120, 612
 millionaire immigrants, 534-535
 Minamata disease, 162, 608
 mine fields, 648
 Mingun Pagoda (Myanmar), 362
 mining, 82, 162, 197, 303-304, 318, 322, 592
 Minnamurra (Australia), 133
 Minnanthu (Myanmar), 121, 186
 missionaries, 636-638
 Mississippi River (USA), 257
 mobile phones, 67, 86
 model of beach formation, 248-249
 models, 495
 modern liberalism, 649
 modernisation, 522, 524
 Mojave Desert (USA), 280, 289
 Mombasa (Kenya), 201, 254, 468
 Momis, John, 82
 monoculture, 589-590
 Montenegro, 643
 Mopti (Mali), 156
 Moraine Lake (Canada), 330
 moraine, 284-288
 moral values, 150-151
 More Economically Developed Countries (see MEDCs)
 morphology of cities (see urban morphology)
 morphology of oceans, 229-230
 Morse, Chuck, 660-661
 mortality, 77, 94
 mortality risk, 350-351
 Moscow (Russia), 160, 622, 624
 mosquito, 78
 Mount Everest, 276, 277, 302
 Mount Isa (Australia), 294, 298
 Mount Kasprov Wierch (Poland), 607, 646
 Mount Kilimanjaro (Tanzania), 286
 Mount Kosciuszko (Australia), 395
 Mount Myohyang (DPRK), 381-383
 Mount Paektu (DPRK), 380
 Mount Pilatus (Switzerland), 301, 321
 Mount Pinatubo (Philippines), 604
 mountains, 272-273
 movies, 576
 Moynaq (Uzbekistan), 216-217
 Msalato (Tanzania), 416
 multi-purpose dam, 189-190
 multilateral agreements, 91
 multiple nuclei model, 492
 multiplier effect, 410
 Mumbai (India), 409, 449, 472, 490, 517
 Mumtaz, Khawar, 51
 Muriwai (New Zealand), 246, 259
 Murray River (Australia), 194
 Mursi people, 642
 music, 627
 Muslim religion (see Islam)
 Myanmar, 19, 66-67, 77, 153, 164, 390, 433, 463, 622, 651-652 (see also Yangon)
 Nabai (China), 420
 NAFTA, 644
 Nagarkot (Nepal), 301, 321
 Nairobi (Kenya), 523
 Namib Desert, 229, 280, 294-296, 326
 niqāb, 53
 Narrabeen Lagoon (Australia), 257
 Narsarsuaq (Greenland), 257
 nation-states, 641-642
 national bias, 559
 National Geographic Society, 58, 636
 national identity, 373, 377
 national scale, 101
 national sports leagues, 395-396
 nationalism, 655-657
 natural resources, 146, 149, 154-161
 natural sciences, 241
 Naypyidaw (Myanmar), 482
 Nech Sar (Ethiopia), 385
 Negroponte, Nicholas, 576
 neo-liberal counterrevolution, 97
 neo-malthusians, 147-152
 Nepal, 19, 21, 66-67, 72, 77, 153, 164-165, 273-279, 282-288, 298-303, 318-322, 390, 463, 465
 Netherlands, 17
 network, 568-572
 neurological diseases, 453-454
 névé, 284-286
 New South Wales far south coast, 592-599
 New York (USA), 421, 615, 618
 New York Stock Exchange (USA), 581
 New Zealand, 463
 Newington (Australia), 548-550
 NGOs, 419-421, 655, 666
 Nicaragua, 73
 niche, 131-132, 594
 nick points, 195-196, 283
 Niger, 19, 66-67, 77, 153, 390
 Niger River, 90, 156, 257
 Nigeria, 19, 31-32, 66-67, 77, 153, 164, 390
 Nigeria's population policy, 31-32
 Nike, 624
 Nile Delta (Egypt), 190
 Nile River, 20, 186, 189-190, 212, 223, 257
 nitrogen oxide, 602

- Niyazov, Saparmurat, 124, 128-129
 Nokhur (Turkmenistan), 119
 non-government organisations (see NGOs)
 non-monetary work, 68
 non-renewable resources, 147
 Norfolk Broads (UK), 201-208
 normal erosion, 116
 North Carolina (USA), 106, 261, 263-267
 North Korea, 373, 377-385, 576, 589, 668-672
 North Pole, 358
 North, the, 61, 611
 Norway, 19, 66-67, 77, 153, 159, 164, 390
 Nowra (Australia), 256, 257
 nuclear weapons, 654
 Nukus (Uzbekistan), 213
 nutrient flow, 130
 nutrition, 67, 73, 76, 422-424, 450, 633, 637, 639
 Nyerere, Julius, 665
- oasis, 289-290, 323, 430
 obesity, 452-453
 objectivism, 150
 ocean currents, 228-229, 340
 ocean floor, 230
 ocean temperature, 230-232
 ocean trenches, 230
 oceanic conveyor belts, 228, 232-233
 oceanic water, 230-232
 oceans, 113, 143, 159, 227-264
 OFCs, 582
 offshore financial centres (see OFCs)
 oil, 148, 156-161, 167-168, 537
 oil spills, 610, 611
 Okavango Delta (Botswana), 201
 Ökoprofit, 550
 Olgas (see Kata Tjuta)
 OLPC, 576-577
 Olympic Games, 371-377, 409, 507, 513, 548
 omnivores, 131
 One Child Policy (China), 27-31
 One Laptop Per Child, 576-577
 OPEC, 167
 open systems, 535
 open-cut mining, 592
 Operation Koteka, 638
 orographic rain, 281
 Orokaia people, 45
 orphanages, 458
 orthogonal, 247
 outputs, 179
 outsourcing, 557, 585-587
 outwash plains, 287, 329
 overcrowding, 517-518
 overgrazing, 99, 117, 309, 324-325
 overpopulation, 25
 oxbow lakes, 193-194
 ozone, 139, 143-144, 411, 513-514, 602
 ozone hole, 411, 611
- packaged tours, 366-367
 padi, 210, 434-435
 pahoehoe, 336
 Pak Hyon Suk, 373
 Pakistan, 54, 574
 Palestinian people, 626, 655
- Palm Beach (Australia), 256
 Palm Springs (USA), 170
 Panmunjom (Korea), 379, 668
 paper, 172-173
 Papua New Guinea, 19, 22-25, 40-48, 66-67, 77, 79-85, 153, 390, 463
 parabolic dunes, 256, 296
 parasitic plants, 133
 Parker Dam (USA), 225
 parking, 478-479, 540
 Parkinson's disease, 453
 Parque Barigüi (Brazil), 547-548
 Parthenon (Greece), 607
 Pascal, Blaise, 178
 pastoralists, 324-325
 pattern (definition), 10
 pavement dwellers (see street dwellers)
 peak land value intersection, 491
 peak oil, 157-158
 peat, 202-203
 pedestal rocks, 259
 Penang (Malaysia), 394, 481, 621
 Pepsi, 644
 perception, 282
 perceptual carrying capacity, 365
 perennial streams, 185
 periodic hunger, 422
 periphery, 563-565
 periphyton, 219
 permafrost, 328
 permeability, 178
 persistent organic pollutants (see POPs)
 personality cult, 668, 670-671
 Peru, 463
 pesticides, 75, 78, 427
 pests, 439
 petrol station, 65, 307
 phenomenalism, 282
 Phnom Penh (Cambodia), 76, 458, 519
 photochemical smog, 513-514
 photography, 378
 phreatic zone, 179
 phreatophytes, 315
 Phuket (Thailand), 394, 585
 Physical Quality of Life Index (see PQLI)
 physical-political boundaries, 646-647
 piedmont, 293-294
 pig-kill ceremony, 629-630, 633
 Pingyao (China), 31
 Pizza Hut, 620
 planning, 92, 123, 137-144, 207-208, 532, 539, 543-554
 plate margins, 230, 272-273, 332-334
 platform, 258, 250
 Plato, 649
 Plato's Cave, 634
 playa lakes, 293
 Pleistocene, 252 (see also ice ages)
 PLVI, 491-492
 pneumatophores, 269
 point bars, 193
 Poland, 73
 political ideologies, 649-651
 politics, 244-245, 605, 641-661
 polluting industries, 604-606
 pollution, 161 (see also air pollution, transboundary pollution, water pollution)
 pollution havens, 604-605
 polyps, 267
 Popper, Karl, 178
 POPs, 122, 143
 population, 1-58
 population change, 9-25
 population density hollow, 493
 population density, 20, 24, 155
 population distribution, 20, 24, 155
 population growth, 9-13, 18-21, 22, 26-37, 65, 92, 99, 425
 population momentum factor, 18
 population momentum, 18-21
 population policies, 26-37
 population pyramids, 14, 17, 23, 30, 471
 population structure, 14, 471-472
 Port Campbell (Australia), 245, 258, 259
 Port Moresby (PNG), 41, 43-48, 83
 Potanini Glacier (Mongolia), 283, 287
 potential energy, 179
 potholes, 259
 pottery, 95
 poverty, 93, 529-530
 PPP, 66, 69
 PQLI, 70
 pragmatism, 115
 Prague (Czech Republic), 474
 prevalent vulnerability index, 348
 primary health care, 416
 primary producers, 130
 primary tourism resource, 365, 396-401
 primate cities, 472-473
 Priština (Kosovo), 642
 pro-natalist policies, 26
 productivity, 426
 prostitution, 343, 522, 585, 649
 Protected Ecological Fishery Zone (see ZERP)
 protein, 450
 psychological carrying capacity, 404
 psychological denial, 346
 psychological motives, 44
 psyllids, 599
 Pudong (China), 96
 Pujung (Indonesia), 211
 pull factors, 38, 44, 469
 pump-storage dams, 170
 Pune (India), 470, 518, 586-587, 667
 Punta del Este (Uruguay), 255, 261, 368
 purchased inputs, 435
 Purchasing Power Parity (see PPP)
 push factors, 38, 43, 469
 PVI, 348
 pycnocline, 232
 Pyin Oo Lwin (Myanmar), 365
 Pyongyang (DPRK), 109, 173, 373-385, 576, 669-671
 pyramid of numbers, 131
- Þingvellir (Iceland), 141
- Qu'ran, 51, 53, 651
 quad biking, 387
 qualitative indicators, 69
 quantitative indicators, 65-69
 quickflow, 179
- race, 522, 534
- radioactive decay, 333
 rainfall, 186, 289, 323
 rainforests, 129-130, 132-136
 rainshadow areas, 281
 rainshadow deserts, 281
 rainsplash, 293
 rainsplash erosion, 178
 raised beaches, 252
 Rakaia River (NZ), 191
 rampart, 260
 Rance River (France), 171
 Ranger uranium mine, 162
 Rangoon (see Yangon)
 raskals, 46
 Rastafari Movement, 628-631
 rate of development, 88
 Ravenstein, EG, 11, 38
 raw materials, 605
 reafforestation, 309
 realists, 115
 reality, 282, 575
 reasoning, 345-346
 recent (definition), 10
 recharge basins, 197
 recreation, 365
 recurrence interval, 184
 recycling, 147, 171-172, 185, 321, 536, 541, 546-547
 reefs (see coral reefs)
 refraction, 247
 refugees, 39, 325
 reg, 298
 regeneration, 595-599
 regional bloc theory, 559
 regional economic blocs, 644-646
 regional scale, 101
 rejuvenation, 191, 195
 relativisation, 663
 relativism, 661, 663
 relict features, 191
 religion, 464, 600, 636, 641 (see also Buddhism, Christianity, Islam, Judaism)
 religious ethics, 150, 672
 relocation, 604-606
 relocation diffusion, 446, 622
 remittances, 60
 renewable energy, 142, 169-171
 renewable resources, 146
 reservoirs, 188-190, 225-226, 289
 residuals, 297
 resort, 365
 resource conservation, 161-174
 resource consumption, 145-161
 resource endowment, 95
 resources, 145-174
 respiration, 130
 responses to hazards, 362-363
 restraining factors, 38, 469
 reticulate drainage, 294-295
 retreating coasts, 228
 reurbanisation, 462, 479
 revegetation, 143
 reverse adaptation, 623, 640
 reverse diffusion, 459
 Reykjahlid (Iceland), 334
 Reykjavik (Iceland), 139
 Reynisdrangur (Iceland), 255
 Rhiossili (UK), 252
 rias, 252
 rice, 209-211, 432-440, 442-443, 449
 Richter scale, 352
 rickets, 450
 riffles, 192
 right wing, 649

- Rio de Janeiro (Brazil), 521-523, 525
 Rio Declaration, 612
 rip current, 248-249, 254
 rising sea levels (see sea level change)
 risk, 332
 risk assessment, 344-347
 risk management index, 348
 ritual warfare, 636, 637
 river blindness, 448
 RMI, 348
 Robe (Australia), 251
 roches moutonnées, 287-288
 Rockall, 245
 Rocky Mountains, 273, 287, 328
 Rodanthe (USA), 263, 265
 Romania, 463
 Rome (Italy), 608
 rubber, 79
 Ruhnama, 124
 rural settlements, 460-461
 rural-urban migration, 38, 41, 45, 75, 305, 326, 469, 483, 489
 Russia, 113, 160, 463, 574
 Rutherford, Ernest, 241
 Rwanda, 19, 66-67, 77, 153, 390
- Saffir-Simpson Hurricane Scale, 264-265
 Sagarmatha Pollution Control Project, 302
 Sahara Desert, 281, 289-290, 308-309
 Sahel Desert, 163
 salinisation, 127-129, 209, 221, 223-226, 312
 salinity 231-232 (also see salinisation)
 salt deflation, 213, 215
 saltation, 182, 295
 Samarkand (Uzbekistan), 466
 Samyaek (Thailand), 432
 San (Mali), 64
 Sana'a (Yemen), 51, 52, 326-327, 464, 622
 sand dunes (see dunes)
 sand sheets, 296
 Sanliurfa (Turkey), 589
 Santa Cruz (USA), 235
 Santiago (Chile), 490, 494, 505
 São Paulo (Brazil), 515, 525, 618
 satellite images, 338-339
 satellites, 573
 saturated air, 340
 Saudi Arabia, 54
 saw grass, 219
 scale, 101
 scalloped uplands, 283
 scarcity, 148-152
 scepticism, 600
 Scheveningen (Netherlands), 16
 schistosomiasis 121 (see also bilharzia)
 scientific method, 178
 scientific realism, 282
 Scotland, 642
 scouring, 189
 scree, 258
 sea arch, 259
 sea floor spreading, 230
 sea level change, 105-106, 111-113, 115, 251-252, 268
 sea stacks, 259
 seasonal range, 289
 secondary producers, 130
 secondary tourism resource, 365, 396, 401-403
 sector model, 492
 secular government, 656
 sediment discharge, 183
 sediment sinks, 252
 sediment traps, 595-597
 seed-fertiliser revolution (see Green Revolution)
 Segou (Mali), 65
 seif dunes, 296-297
 Selakarang (Indonesia), 435
 selection bias, 476, 559, 575
 selective breeding, 439
 self-help, 525 (see also shanty settlements)
 semi-periphery, 559, 563
 serir, 298
 settlement, 278-279, 460-504
 sewage, 169, 204, 243, 448, 508, 541
 sex shops, 476
 sexually transmitted diseases, 454
 SEZ, 96, 496
 Shanghai (China), 27, 475-476, 521, 558, 661
 shanty settlements, 38-39, 75, 305, 326, 343, 448, 470-471, 483, 489, 494-496, 501, 508, 518, 524, 546, 587, 667
 sharia, 53
 Shashemene (Ethiopia), 629-631
 sheet erosion, 117
 Shenzhen (China), 96, 496, 570, 573, 624
 shield volcano, 335
 shifting cultivation, 134, 432
 Shinjuku (Japan), 363
 shipping, 243
 shoreline, 245-246
 short-wave radiation, 102
 shrimp aquaculture, 271
 Shunde (China), 481
 Shwe Dagon Pagoda, 497-498, 504, 622
 sial, 332
 Sichuan earthquake, 344
 Siem Reap (Cambodia), 185
 Sierra Leone, 19, 66-67, 77, 153, 390
 Silent Spring, 609
 Silicon Valley (USA), 92
 sill, 335
 silviculture, 172 (see also forestry)
 sima, 332
 Simon, Julian, 11, 148-152, 157
 Singapore, 33, 171, 463, 471, 479, 537, 561
 Singapore's population policy, 33
 sinuosity, 191-192
 Six Thinking Hats, 61
 Skaftafell Glacier (Iceland), 287, 329
 Skeidarársandur (Iceland), 367
 Skeleton Coast (Namibia), 254
 skepticism, 600
 SKOGA, 568
 Skype, 574
 slash-and-burn (see shifting cultivation)
 slavery, 585, 628 (see also human trafficking)
 Slim, Carlos, 86
 slum housing, 39, 518-519, 527 (see also shanty settlements)
 Smith, Adam, 650
 smog, 513-515, 539
 social carrying capacity, 404
 social extremes, 528
 social stress, 528-535
 social structures, 437, 528
 socialism, 621, 650
 socio-cultural exchanges, 619-640
 socio-cultural integration, 625-640
 socio-economic (definition), 10
 Sodo (Ethiopia), 119, 431
 Sogeri (PNG), 79
 soil conservation, 142
 soil creep, 181
 soil degradation, 101
 soil erosion (see erosion)
 soil formation, 116-117
 soil horizons, 116
 soil profile, 116
 soils, 116-120, 155, 222, 280, 464, 592
 solar energy, 548
 Solomon Islands, 463
 solution load, 182
 Sonora Desert (USA), 280, 289
 Sossusvlei (Namibia), 296
 South Africa, 463
 South Korea, 19, 66-67, 68, 77, 153, 164, 379, 390, 574, 668, 670
 South, the, 61, 611
 Southern Alps (NZ), 276
 Southern Oscillation (see El Niño)
 sovereignty, 244-245, 643-646
 Soweto (South Africa), 76, 496
 Spain, 73, 463, 574
 spatial exclusion, 483, 486
 spatial integration, 433
 spawning grounds, 269
 Special Economic Zones (see SEZ)
 specialisation, 433
 spinifex, 255
 spits, 257
 sport, 365
 sports division, 395
 Spratley Islands, 245
 sprawl (see urban sprawl)
 spreading ridges, 333
 springs, 196
 squatters, 43, 47, 470, 501, 518
 Srebrenica (Bosnia-Herzegovina), 519, 648, 651
 Sri Lanka, 88
 St Petersburg (Russia), 396-403
 stable air mass, 338-340
 stacks, 259
 stages of tourism, 369-370
 Stalden (Switzerland), 403
 Starbucks, 660-661
 starvation, 73
 statistics, 68-69, 476
 steppes, 212-213
 sterilisation, 33-34
 stony desert, 298
 storm surges, 107
 Strange, Susan, 580
 strangler fig, 13
 strategies, 60
 stratosphere, 100-101
 Straw, Jack, 53
 stream order, 179-180
 stream profile, 180
 stream velocity, 191
 street dwellers, 39, 470, 489
 street markets, 504
 Streeton, Paul, 59
 striations, 284-285, 287
 Strokkur geyser (Iceland), 334
 structural change, 96-97
 structure of earth, 332
 Stung Meanchey (see Dump Hill)
 subaerial processes, 250-251
 subak, 211
 subduction zone, 230, 334
 sublimation, 176
 subsistence farming, 74, 431-432, 435, 633
 subtropical high deserts, 281, 289
 suburb, 462
 suburbanisation, 462, 477-478, 483
 Sule Pagoda (Myanmar), 485, 497
 sulphur dioxide, 509, 511
 Summer Olympic Games, 371-377
 sun spot activity, 114
 Superman, 576
 surface moraine, 286-287
 Surfers Paradise (Australia), 260, 262
 suspended load, 181
 sustainability, 94, 96-99, 136-144, 318-322, 537
 sustainable agriculture, 440-443
 sustainable city management, 536
 sustainable development, 96-99, 536
 sustainable tourism, 365, 410-411
 sustainable urban management strategy, 462, 543-554
 swamps (see wetlands)
 swash, 253
 Sweden, 19, 66-67, 77, 153, 164, 390
 swell, 246
 swiddening (see shifting cultivation)
 swine flu, 590
 Switzerland, 273-279, 282-288, 298-302, 318-322
 SWOT analysis, 383-384
 Sydney (Australia), 252, 376, 475, 481, 493, 536, 548-550, 551-554
 symbiotic relationships, 270
 synoptic charts, 336-338
 systems, 176, 179, 535-536
- Taal Volcano (Philippines), 343
 Taipei (China), 490
 talus, 258
 Tamarindo (Costa Rica), 367
 Tampaksiring (Indonesia), 210
 Tangshan (China), 28, 353-355
 Tanzania, 19, 66-67, 77, 153, 164, 390, 463, 665-666
 tarns, 283, 285
 Tashkent (Uzbekistan), 123, 217
 Tathra (Australia), 255
 Taungdwingyi (Myanmar), 430
 Tawhranui (New Zealand), 246
 technological change, 91
 technology, 64, 75
 tectonic processes, 230, 272-273, 277-279, 332-334
 telephones, 86, 88
 Tema (Ghana), 165
 temperature, 274-275, 289
 terminal moraine, 286-287
 terms of trade, 96
 terraces, 21, 74, 191, 210-211, 306, 321, 426
 terracettes, 181
 terrorism, 374
 Tesco, 565
 Thailand, 463
 thalweg, 192

- Thatcher, Margaret, 115
 Thebes (Egypt), 464
 Theory of Knowledge (see ToK BoX)
 thermocline, 231-232
 thermohaline circulation, 228, 232-233
 thermosphere, 100-101
 third way theory, 560
 Third World, 60
 Thoreau, Henri, 282
 Three Gorges Dam (China), 188
 Three Revolutions, 669
 three-tier development, 495, 501, 504
 thunderstorms, 108, 289
 Tibetan Plateau (China), 106
 tidal power, 171
 tides, 250
 tiger economies, 88
 Tiger Leaping Gorge (China), 93, 367, 385, 387-389
 Tijuana (Mexico), 658
 timber cutting, 592-599
 Timbuktu (Mali), 92, 117, 308, 309, 465
 time-distance decay, 449, 622 (see also distance decay)
 time-space compression, 627
 time-space convergence, 557, 566-567, 617, 627
 Tinerhir (Morocco), 290
 TNCs, 91, 307, 413, 578-579, 590, 604-606, 623-624, 627, 643-644
 toilets, 448
 ToK BoX, 34, 61, 114-115, 150-151, 178, 241, 282, 345-346, 383, 438, 476, 559, 575, 579, 600, 634, 649-651, 659, 672
 Tokelau Islands, 268
 Tokyo (Japan), 363
 tolerance, 661
 tombolo, 247
 Tombouctou (see Timbuktu)
 Torrey Canyon, 610
 tourism, 139-140, 223-224, 237, 299-302, 306-307, 330, 364-370, 377-395, 396-406, 410-411, 522-523, 585, 639-640
 toxic wastes, 162, 243, 269, 608
 trade, 90-91, 95-96, 157, 160, 621
 traffic congestion (see congestion)
 trampling, 261, 263
 transboundary pollution, 606-608
 transculturation, 394
 transcurrent faults, 333
 Transdnestr, 642
 transform faults, 333
 transformationalism, 560
 transhumance, 299
 transnational corporations (see TNCs)
 transport, 64, 81, 92, 237, 307, 484, 505-508, 516-517, 542-546, 549, 554, 605, 627, 635-636
 travel times, 566-568
 trenches, 230
 trend (definition), 10
 tribal boundaries, 647
 tribal structure, 325
 tributaries, 179
 trickle-down development, 73
 trinary road system, 544-545
 trophic level, 131
 tropical cyclones, 106-108, 113, 235, 262-267, 336-338, 346-347
 tropical rainforests, 129-130, 132-136
 tropopause, 101
 troposphere, 101, 114
 troughs, 246
 truncated spurs, 285
 truth, 114-115, 661, 672
 tsunami, 250, 269, 355-358
 Tuareg people, 308, 655
 Tung Ping Chau (Hong Kong), 239-240
 turbulent flow, 182
 Turkey, 574, 655-657
 Turkmenistan, 124-129
 turnim het karim leg, 45
 turnover time of capital, 627
 Twelve Apostles (Australia), 259
 Two-Thirds World, 61
 typhoons (see tropical cyclones)
 U-shaped valleys, 283-284
 Ulaan Bataar (Mongolia), 516, 565, 626, 627
 Ulgii (Mongolia), 294
 Uluru (Australia), 297
 underdeveloped countries, 60
 underemployment, 64, 521-522
 underpopulation, 25
 undeveloped countries, 62
 unemployment, 521-522
 United Arab Emirates, 19, 66-67, 68, 77, 153, 164, 390
 United Kingdom, 19, 66-67, 77, 153, 164, 390, 463, 574, 642
 United Nations Environment Program, 610, 611
 United Nations, 613, 642, 653-654
 United States (see USA)
 unstable air mass, 340
 urban (definitions), 461
 urban blight, 479-480, 528
 urban consolidation, 480-481, 485
 urban decay, 473-474, 482-483
 urban ecological footprint, 538, 548
 urban environments, 460-554
 urban erosion, 119-120
 urban growth, 462, 515-517, 618
 urban heat island, 509-510, 513
 urban homogenisation, 613-618
 urban land use, 491-504
 urban models, 492-495
 urban morphology, 490-496, 498
 urban regeneration, 409
 urban renewal, 474-475, 484-485
 urban services, 519-520
 urban settlements, 460-461
 urban sprawl, 462, 469, 477, 483, 515-516, 618
 urban stress, 505-535
 urban sustainability, 462, 535-554
 urban system, 535-536
 urban villages, 486, 533
 urbanisation, 40, 80, 460-491
 Uruguay, 463
 US population policy, 31
 USA, 19, 31, 66-67, 77, 153, 160, 164, 390, 463, 478, 574, 589-590, 657-660
 utilitarianism, 150-151
 Uzbekistan, 212-218
 vaccinations, 449
 vadose zone, 179
 validity, 345-346
 Valley of the Moon (Bolivia), 304
 Valparaíso (Chile), 391
 Vancouver (Canada), 478
 Vanimo (PNG), 46
 Vardy, Peter, 672
 vasectomy, 33
 vector-borne diseases, 448-449, 454
 vegetarianism, 442
 velocity, 191, 246-247
 Venice (Italy), 613
 vent, 335
 Veracruz (Mexico), 590
 Vestmannaeyjar (Iceland), 140, 254, 336
 vicious cycle of poverty, 92-93
 Vietnam, 19, 66-67, 73, 77, 153, 164, 390, 574
 Vietnam War, 610
 Villo bicycles, 537
 Viña del Mar (Chile), 391
 visa fraud, 658-660
 visas, 380
 Vladivostok, Russia, 157
 volcano, 140, 331-336, 358-361, 604
 voluntary migration, 38
 Vouliagmeni (Greece), 368
 Vozrozhdeniye Island (Uzbekistan), 216
 vulnerability, 332, 342-344, 347
 Wadi as Sa'ilah (Yemen), 327
 Wadi Hatta (Oman), 293-294
 wadis, 293
 Waimakariri River (NZ), 191
 Walker, George, 559
 walking tractor, 75, 434
 Wallagoot Beach (Australia), 255
 war, 324, 344, 636, 646
 Warsaw (Poland), 537, 654
 wash load, 181-182
 washes, 293
 Washington DC (USA), 475, 479
 washouts, 316
 waste, 142, 242-243, 302, 305, 321-322, 519, 539-541, 546-547, 549
 water, 66, 76, 78, 90, 105, 120-129, 139, 176-226, 292-294, 310, 316, 429-430
 water cycle, 176-179
 water erosion, 117-118
 water management, 120-129, 185-226, 325
 water pollution, 78, 161-162, 187-188, 209, 243, 321-322, 324, 343, 449, 508, 540, 608
 water quality, 598
 water scarcity, 101, 122
 water table, 196
 water vapour, 114
 water-borne diseases, 324, 444, 448, 454
 waterfalls (see nick points)
 waterlogging, 209
 watershed, 177, 179
 wave base, 245
 wave height, 246-247
 wave length, 246
 wave orthogonal, 247
 wave period, 246
 wave quarrying, 258
 wave steepness, 246
 wave-cut platform, 258, 260
 wave-sediment interface, 253
 weather prediction, 329
 weathering, 258, 290-292, 539, 607-608
 weight loss, 421
 welded bar, 248, 250
 welfare, 69, 438
 west coast deserts, 281
 West Papua (see Irian Jaya)
 westernisation, 522, 625
 wet adiabatic lapse rate, 340
 wetlands, 163, 177, 201-209
 Wewak (PNG), 82, 85
 Whangaparaoa (NZ), 181
 White Island (NZ), 334-335
 Whitehorse (Canada), 408
 WHO, 451-452, 507
 wilderness, 141
 wildlife, 404-406
 wind erosion, 117, 290
 wind power, 170-171
 wind waves, 246
 Winter Olympic Games, 371
 wisdom, 672
 witchcraft, 306
 women's status, 36, 48-58, 94, 324, 343, 585, 629, 633
 woodchips, 166, 594
 wooden ploughs, 119, 431
 Woodhouse, Philip, 440
 workforce in agriculture, 427-428
 World Bank, 579, 583, 661, 666-667
 world cities, 613-662
 world culture, 662
 world culture theory, 560
 World Health Organisation (see WHO)
 world ocean, 227
 World Trade Organisation (see WTO)
 world-economy theory, 558-559
 WTO, 580, 583, 661, 666-667
 Wuhan (China), 104, 172, 194, 430, 620
 WWF, 609, 611, 667
 Xijiang (China), 72, 426
 XO-1 computer, 576-577
 Xuetou (China), 94
 Yadan (China), 297, 309
 Yangon (Myanmar), 60, 482-487, 497-504, 519, 623, 625, 627, 663
 Yangshuo (China), 391, 392
 Yangtze River (China), 194
 yazoo streams, 194
 Yosemite National Park (USA), 284, 288
 Yugoslavia, 642, 648
 Yuma (USA), 225
 Ywama (Myanmar), 393
 Zabriske Point (USA), 310
 Zakati (Yemen), 323
 Zambia, 19, 66-67, 77, 153, 164, 390, 463
 Zanzibar (Tanzania), 238, 628, 666
 Zarsky, Lyuba, 606
 Zermatt (Switzerland), 287, 298, 329
 ZERP, 245
 Zhang Yunxing, 353-354
 zoofication, 394
 zooxanthellae, 270