

Cunningham et al. Environmental Science: A Global Concern 11e
Further readings for Chapter 8 (health)

Abbott, Alison and Helen Pearson. 2004. "Fear of human pandemic grows as bird flu sweeps through Asia." *Nature* 427: 472-473.

Aldhous, Peter. 2005. "Infectious disease: Vietnam's war on flu." *Nature* 433: 102-104. Bird flu strain H5N1 appears to be evolving into a much more virulent form for mammals. It could be the next big pandemic.

Ames, B.N. 2004 "A Role for Supplements in Optimizing Health: The Metabolic Tune-Up." *Arch Biochem Biophys.*, 423: 227-234. A few simple vitamins and anti-oxidants could significantly enhance your health.

Anyamba, A., Chretien, J., Small, J., Tucker, C. and Linthicum, K. 2006. Developing global climate anomalies suggest potential disease risks for 2006-2007. *Int J Health Geogr*, 5:60.

Ayres, Gene. 2003. "Rocket Fuel in Our Food" *Worldwatch* 16 (6): 12-20. Toxic perchlorates have been dumped into ground and surface waters and are now contaminating food supplies.

Barry, John M. 2004. *The Great Influenza: The Epic Story of the 1918 Pandemic*. Viking Press. Describes what was probably the most deadly infectious disease ever.

Brault, Aaron, et al. 2004. "Venezuelan equine encephalitis emergence: Enhanced vector infection from a single amino acid substitution in the envelope glycoprotein" *Proc. Nat Acad. Sci.*, Aug 2004 (101) 11344-11349. Forest destruction creates conditions for emergent diseases.

Belden, L. K. and R. N. Harris. 2007. "Infectious diseases in wildlife: the community ecology context" *Frontiers in Ecology and the Environment* 5 (10): 533-539. Species diversity can have important effects on disease dynamics.

Beuret, C., et al. 2002 "Norwalk-like virus (NVL)-sequences in mineral waters: One year monitoring of three brands". *Applied and Environmental Microbiology*, 68, 1925 - 1931, (2002). Signs of fecal contamination have been found in some bottled water.

Bi, P. and Parton, K. 2003. El Niño and incidence of hemorrhagic fever with renal syndrome in China. *J. Am. Med. Assoc.*, 289:176

Blaustein, Andrew R. and Pieter T. Johnson. 2003. "Explaining Frog Deformities" *Scientific American* 288(2): 60-65. Discusses three prime suspects in frog abnormalities.

Bounias, M. and M. Purdey. 2002. "Transmissible spongiform encephalopathies: a family of etiologically complex diseases—a review." *The Science of the Total Environment* 297(1-3): 1-19. A comprehensive review article.

Butler, Declan. 2006. "Alarms ring over bird flu mutations." *Nature* 439 (7074): 248-249. The Turkish virus shows increased affinity for humans.

Calabrese, E.J. & Baldwin, L.A. 2003. "Toxicology rethinks its central belief." *Nature*, 421, 69 – 21. Potential pollutants and poisons may be beneficial in low doses says a controversial theory.

Calver, M. C. 2000. "Lessons from Preventive Medicine for the Precautionary Principle and Ecosystem Health." *Ecosystem Health* 6 (2): 99-107. A comparison of public health and ecosystem health.

Canfield, R. L., et al 2003. "Intellectual Impairment in Children with Blood Lead Concentrations below 10 µg per Deciliter." *New England Journal of Medicine*. 348 (16): 1517-1526. Blood lead concentrations are inversely associated with IQ. Each 10 µg per deciliter increase in lifetime average blood lead concentration is calculated to cause a 4.6-point decrease in IQ.

Carrer, P., et al. 2001. "Allergens in indoor air: environmental assessment and health effects." *The Science of the Total Environment*. 270 (1-3): 33-42. An evaluation of allergens as potential causes of "sick house-syndrome." A special double issue on chronic low-level exposures and environmental health.

Catteruccia, F., Godfray, C. J. & Crisanti, A. 2003. "Impact of genetic manipulation on the fitness of *Anopheles stephensi* mosquitoes." *Science* 299: 1225-1227. Mosquitoes genetically engineered to be immune to malaria—a hope for ridding the world of the disease —won't get off the ground without serious help, new research warns.

Cello, J., Paul, A.V. & Wimmer, E. 2002. "Chemical synthesis of poliovirus cDNA: Generation of infectious virus in the absence of natural template". *Science* published online, doi:10.1126/science.1072266. Researchers show that harmful viruses can be made from scratch.

Clapp, Richard W. 2006. "Mortality among US employees of a large computer manufacturing company: 1969-2001" *Environmental Health: A Global Access Science Source* 5:30. Workers at IBM who handled toxic chemicals have a higher than normal incidence of certain cancers.

Chakraborti, D. et al. 2003. "Arsenic groundwater contamination in middle Ganga Plain, Bihar, India: A future danger?". *Environmental Health Perspectives*, published online, doi:10.1289/ehp.5966 (2003). Arsenic-rich deposits could cover much of the Ganges Basin, stretching across the foot of the Himalayas from New Delhi to the Bay of Bengal.

Cinatl, J. et al. 2003. "Glycyrrhizin, an active component of liquorice roots, and replication of SARS-associated coronavirus." *The Lancet* 361: 2045-2046. In lab tests licorice extract blocks the SARS virus from growing inside cells

Chen, H., et al. 2005. "Avian flu: H5N1 virus outbreak in migratory waterfowl." *Nature*. doi: 10.1038/nature03974. Wild geese in China's Qinghai Lake were found to have the bird flu virus. As they migrate, they could spread the disease more widely through Asia.

Chyba CF. 2001. "Biological security in a changed world." *Science*. 293 (5539): 2349, 2001 Sep 28.

Colborn, Theo, et al. 1996. *Our Stolen Future: How We Are Threatening Our Fertility, Intelligence, and Survival -- A Scientific Detective Story*. Dutton Book. A sobering account of the effects of endocrine hormone-disrupting environmental pollutants.

Covello VT. Peters RG. Wojtecki JG. and Hyde RC. 2001. "Risk communication, the West Nile virus epidemic, and bioterrorism: responding to the communication challenges posed by the intentional or unintentional release of a pathogen in an urban setting". *Journal of Urban Health*. 78 (2): 382-91.

Cunningham, William P. 1997. "Environmental Health," p 361-363 in Cunningham, et al., eds., *Environmental Encyclopedia 2e*. Gale Research. A brief overview of environmental health. See many other articles in this volume on other specific topics.

Darnerud, Per Ola et al, 2001. "Polybrominated Diphenyl Ethers: Occurrence, Dietary Exposure, and Toxicology," *Environmental Health Perspectives* Vol. 109 Supplement 1 (March 2001), pgs. 49-68. These widely used flame retardants, are a newly recognized persistent organic pollutant with potentially serious human health effects.

Daszak, P. et al. 2000. "Emerging Infectious Diseases of Wildlife-Threats to Biodiversity and Human Health." *Science* (US) 287: 443-449. New diseases sometimes cross species barriers threatening both humans and other species.

Davis, Devra. 2002. *When Smoke Ran Like Water: Tales of Environmental Deception and the Battle against Pollution*. Basic Books. The author shows instances in which science has been manipulated for corporate gain and at the expense of citizens' health.

Dhawan B., et al. .2001. "Bioterrorism: a threat for which we are ill prepared". *National Medical Journal of India*. 14 (4): 225-30, 2001 Jul-Aug. A review of bioterrorism from an Indian perspective.

Diamond, Jared. 1999. *Guns, Germs, and Steel: The Fates of Human Societies*. W.W. Norton & Co. Argues that exposure to domestic animals gave Eurasian people immunity to infectious diseases that overwhelmed indigenous populations in areas they invaded.

Doherty, T.M., Olsen, A.W., van Pinxteren, L. & Andersen, P. 2002. "Oral vaccination with subunit vaccines protects animals against aerosol infection with *Mycobacterium tuberculosis*." *Infection and Immunity*, 70, 3111 - 3121, (2002). An oral vaccine may offer protection against TB.

Donnelly CA, et al. 2003. "Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong." *Lancet* 361 published online 03 May 2003

Drexler, Madeline. 2002. *Secret Agents: the Menace of Emerging Infections*. Joseph Henry Press. While many of us are absorbed with fears of bioterrorism, Drexler focuses on the threat of emerging natural pathogens.

Dubos, Rene. 1965. *Health and Disease*. Time Books. What is health? A distinguished biologist reflects on wellness.

Dumanoski, Diane. 1997. "Child's Plague," *Sierra* 82(6):46-51. Cancer, asthma, birth defects, aggression -- is pollution making kids sick?

Eaton, Joe. 2003. "Silent towers, empty skies." *Earth Island Journal* 18 (4): 30-33
Vultures are disappearing from India, but no one knows why.

Epstein, Paul R. 2000. "Is Global Warming Harmful to Health?" *Scientific American* 283 (2): 50-57. Suggests that infectious diseases will surge as the climate warms.

Estrada-Franco, J. G. *et al* . 2003. "West Nile Virus in Mexico: Evidence of Widespread Circulation since July 2002." *Emerging Infectious Diseases* 9: 101-109

Ewald, Paul W. 2000. *Plague Time: How Stealth Infections Cause Cancers, Heart Disease, and Other Deadly Ailments*. Free Press (Science News Books). A controversial theory that chronic infections by viruses and bacteria cause most diseases, not pollution or lifestyle.

Ezzell, Carol. 2001. "Magic Bullets fly Again." *Scientific American* 285 (4): 34-41.
Monoclonal antibodies offer a new hope for curing infectious diseases.

Ferguson, N. M., et al. 2002. "Estimating the human health risk from possible BSE infection of the British sheep flock". *Nature* 413: 709-712. The BSE epidemic could be repeated in sheep.

Francis, B. M. 1994. *Toxic Substances in the Environment*. John Wiley & Sons. A textbook of toxicology.

Friedmann, A.S. 2002. "Atrazine inhibition of testosterone production in rat males following peripubertal exposure." *Reproductive Toxicology* 16 (3): 275-279. More evidence that this popular herbicide is an endocrine disrupter.

Frongillo, E.A., et al. 2000. "Nutritional consequences of food insecurity in a rural New York State County" Discussion Paper no. 1120-97. Institute for Research on Poverty, University of Wisconsin, Madison, Wisconsin. Those who can't afford a good diet often buy the wrong kinds of food.

Gajalakshmi, V., et al. 2003. "Smoking and mortality from tuberculosis and other disease in India: retrospective study of 43,000 adult male deaths and 35,000 controls." *The Lancet*, 362: 507-515. Smoking doubles TB deaths

Garaudée, S. et al. 2002. "Allosteric effects in norbadiene: A clue for the accumulation process of ¹³⁷Cs in mushrooms?" *Chemical Communications* 2002: 944-945. Edible mushrooms can absorb radioactive air pollution because their pigments captures elements such as caesium

Gardner, M. J. et al. 2002. "Genome sequence of the human malaria parasite *Plasmodium falciparum*". *Nature* 419: 498-511. DNA sequencing may make a vaccine possible.

Garrett, Laurie. 2005. "The Next Pandemic?" *Foreign Affairs* 84 (4): 3-23. If the avian flu virus becomes capable of human-to-human transmission and retains its extraordinary potency, humanity could face a pandemic unlike any ever witnessed.

Gibbs, Lois M. 1995. *Dying From Dioxin: a Citizen's Guide to Reclaiming Our Health and Rebuilding Democracy*. South End Press. The founder of the Love Canal, Citizens Clearinghouse for Hazardous Wastes describes how citizen activists shed light on toxic contamination.

Gibbs, W.W. 2003. "Untangling the Roots of Cancer." *Scientific American* 289(1): 57-65. Recent evidence challenges long-held theories of how cells become malignant.

Giesy, J. P. and Kannan, K. 2001. "Global distribution of perfluorooctane sulfonate in wildlife." *Environmental Science and Technology* 35 (2001). Another widespread organic pollutant is found in food chains throughout the world.

Glass, G. E. 2000. "Using Remotely Sensed Data To Identify Areas at Risk for Hantavirus Pulmonary Syndrome," *Emerging Infectious Diseases*. 6 (3): 28-40. March-April 2000.

Glasser, Ronald J. 2004. "We Are Not Immune." *Harper's* 309 (1850): 35-41. Influenza, SARS and other emergent diseases threaten global public health.

Glatzel, M. et al. 2002. "Sharply increased Creutzfeldt-Jakob disease mortality in Switzerland". *Lancet* 360: 139-141. The number of people dying from sporadic Creutzfeldt-Jakob disease (CJD) has risen sharply in Switzerland. The finding is raising fears that 'mad cow disease' could have spread to humans in another form

Gold, L.S., Slone, T.H., and Ames, B.N. 2001 "Natural and Synthetic Chemicals in the Diet: A Critical Analysis of Possible Cancer Hazards." In: *Issues in Environmental Science and Technology: Food Safety and Food Quality*, R.E. Hester & R.M. Harrison, eds. (Royal Society of Chemistry, Cambridge, UK), No. 15, pp. 95-128.

Goldstein, Inge F. and Martin Goldstein. 2002. *How Much Risk?: A Guide to Understanding Environmental Health Hazards*. Oxford Univ. Press. Claims that some protective measures cost more than they're worth.

Grandjean, P. and P.J. Landrigan. 2006. "Developmental neurotoxicity of industrial chemicals." *The Lancet* Vol. 368 8 November 2006 published online DOI:10.1016/S0140-6736(06)69665-7. A number of industrial chemicals may play a role in neurodevelopmental disorders such as autism, ADD, mental retardation, and cerebral palsy.

Gregson, S. et al. 2002. "Sexual mixing patterns and sex-differentials in teenage exposure to HIV infection in rural Zimbabwe". *The Lancet* 359: 1896-1903 (2002). By having sex with older men, teenage Zimbabwean women are increasing their chances of catching HIV, this research suggests.

Grein, T. W., et al. 2000. "Rumors of Disease in the Global Village: Outbreak Verification," *Emerging Infectious Diseases*. 5 (2): 7-15. March/April 2000. Discusses the need for rapid assessment of disease outbreaks.

Guillette, Elizabeth A. et al. 1998 "An anthropological approach to the evaluation of preschool children exposed to pesticides in Mexico." *Environmental Health Perspectives* 106: 347-353. Cognitive development is delayed significantly in children exposed to pesticides.

Hansen, K., et al. 2001 "Compound-Specific, Quantitative Characterization of Organic Fluorochemicals in Biological Matrices". *Environmental Science and Technology* 35, 766 - 770 (2001).

Harper, K. N., et al. 2008. "On the Origin of the Treponematoses: A Phylogenetic Approach." *PLoS Negl Trop Dis* 2(1): e148. doi:10.1371/journal.pntd.0000148. Genetic analysis suggests that syphilis was brought from the Americas to Europe by Columbus and his crew.

Harvell CD, Kim K, Burkholder JM, et al. 1999. Emerging marine diseases climate links and anthropogenic factors. *Science* 285: 1505-10. Ecosystem modifications facilitate disease emergence.

Hayes, T.B, et al. 2002. "Hermaphroditic, demasculinized frogs after exposure to the herbicide, atrazine, at low ecologically relevant doses." *Proceedings Of The National Academy Of Sciences US* 99: pgs. 5476-5480.

Hester, R.E. & R.M. Harrison, eds. 1996. *Issues in Environmental Science and Technology* 15. Cambridge, UK: Royal Society of Chemistry, pp. 95-128.

Hobbs, K.E., M. Lebeuf, M. O. Hammill. 2002. "PCBs and OCPs in male harbour, grey, harp and hooded seals from the Estuary and Gulf of St Lawrence, Canada." *The Science of the Total Environment* 296 (1-3): 1-18. Toxins accumulate in wildlife.

Holmes, E. C. 2004. "Enhanced: 1918 and All That" *Science* 303 (5665): 1787-1788 (19 March 2004). Discusses why the deadly Spanish flu pandemic of 1918, which killed more people than World War I, may have been so virulent.

Hooper, Kim and Thomas A. McDonald, 2000. "The PBDEs: An Emerging Environmental Challenge and Another Reason for Breast-Milk Monitoring Programs," *Environmental Health Perspectives* Vol. 108, No. 5 (May 2000), pgs. 387-392. Polybrominated Diphenyl Ethers, widely used as flame retardants, are a newly recognized persistent organic pollutant with potentially serious human health effects.

Hufnagel, L., et al. 2004. "Forecast and control of epidemics in a globalized world." *Proceedings of the National Academy of Sciences (US)* 101 (42): 15124-15129. A model is suggested to describe and predict the spread of global epidemics.

Hughes JM. 2001 "Emerging infectious diseases: a CDC perspective". *Emerging Infectious Diseases*. 7 (3 Suppl): 494-496. Discusses how pathogens could be used for bioterrorism.

Hunt, P.A. et al. 2003. "Bisphenol A exposure causes meiotic aneuploidy in the female mouse:." *Current Biology*, 13: 546-553. A chemical commonly found in clear plastic food containers causes genetic abnormalities in mouse eggs.

Hwang, Ann. 2001. "AIDS Over Asia," *World Watch* 14 (1): 12-21. The pandemic that has ravaged southern Africa now threatens an even larger population in China and India.

Indur M. Goklany, , 2001. *The Precautionary Principle; A Critical Appraisal of Environmental Risk Assessment*. Cato Institute. A criticism of this approach.

Ito, J., et al. 2002. "Transgenic anopheline mosquitoes impaired in transmission of a malaria parasite". *Nature* 417: 452 - 455 (2002). Genetically modified mosquitoes may help prevent malaria.

Jensen, S., et al. 1997. "Environmental Pollution and Child Health in the Aral Sea Region in Kazakhstan," *Science of the Total Environment* 206 (2-3): 187-193. Inadequate nutrition, poor sanitation, collapse of the health care system and pollution from Soviet agriculture and industries have caused a catastrophic decline in human health.

Jensen, T. et al. 2002. "Another Phocine Distemper Outbreak in Europe". *Science*, 297: 209 (2002). Researchers fear reprise of 1988 epidemic that wiped out half of Europe's seals.

Kaiser, Jocelyn. 1996. "Power Lines and Health: Panel Finds EMFs Pose No Threat," *Science* 274 (5289): 910. One in a long series of research articles for and against the health effects of EMFs.

Kalantzi, O. I., et al., 2001. "The global distribution of PCBs and organochlorine pesticides in butter," *Environmental Science and Technology*, 35: 1013-1018. A good study of the global distribution of POPs.

Kaplan, E. H., Craft, D. L. & Wein, L. M. 2002. "Emergency response to a smallpox attack: The case for mass vaccination." *Proceedings of the National Academy of Sciences*, 99: 10935 - 10940. Limited inoculation plans probably aren't effective in preventing an epidemic.

Keele, B. F., et al. 2006. "Chimpanzee Reservoirs of Pandemic and Nonpandemic HIV-1" *Science* DOI: 10.1126/science.1126531. Wild-living chimpanzees *P. t. troglodytes* in southern Cameroon are shown to be a natural reservoir of HIV-1, the cause of human AIDS.

Kettler, H. E. and R. Modi. 2001. "Building local research and development capacity for the prevention and cure of neglected diseases: the case of India," *Bulletin of the World Health Organization* 79: 742-747. Cipla, an Indian generic drug manufacturer, is selling HIV cocktails to MSF (Doctors without borders) for \$350 per year per patient.

Kim, Jim Yong, et al. (eds). 2000. *Dying for Growth: Global Inequality and the Health of the Poor*. Common Courage Press. Discusses the connections between globalization, neoliberal economics, poverty, and health.

Klaassen, Curtis D. (ed). 2001. *Casarett & Doull's Toxicology: The Basic Science of Poisons 6th ed.* McGraw-Hill Co.

Klatsky, A. S. 2003. "Drink to your health?" *Scientific American* 288 (2): 74-80. Alcohol in moderation offers cardiovascular benefits.

Klevens et al. 2007. "Invasive Methicillin-Resistant *Staphylococcus aureus* Infections in the United States." *JAMA*.2007; 298: 1763-1771. A super bug has emerged in hospitals, gyms, and schools.

Kohli, R. M., Walsh, C. T. & Burkart, M. D. 2002. "Biomimetic synthesis and optimization of cyclic peptide antibiotics". *Nature* 418: 658-661. Natural enzyme makes new antibiotics to fight superbugs.

Koop, C. Everett, et al. 2002. *Critical Issues in Global Health*. Jossey-Bass Pub. A collection of essays by public health experts on important issues in international health

Kong, Q. et al. 2002. "Oral immunization with hepatitis B surface antigen expressed in transgenic plants". *Proceedings of the National Academy of Sciences* 98: 11539-11544. GMO crops could provide edible vaccines.

Knaus, K. J. et al. 2001. "Crystal structure of the human prion protein reveals a mechanism for oligomerization". *Nature Structural Biology* 8: 770-774. New images of these proteins show long arms that can wrap around partner molecules and exchange amino acid domains.

Korotkova, E. A. et al. 2003. "Retrospective analysis of a local cessation of vaccination against poliomyelitis: a possible scenario for the future." *Journal of Virology* 77: 12460 - 12465. Polio vaccine may cause disease.

Landrigan, Phillip et al. 2002. *Raising Healthy Children in a Toxic World: 101 Smart Solutions for Every Family*. Rodale Press. Suggests ways to improve the well-being and safety of your family at home, work, daycare, or the local park.

Lang, I. A. et al. 2008. "Association of Urinary Bisphenol A Concentrations with Medical Disorders and Laboratory Abnormalities in Adults" *JAMA* 300 (11): 1303-1310. The first large-scale study of BPA in humans suggests increased risk for diabetes, cardiovascular disease and liver abnormalities with low levels of exposure.

Lau, S. K., et al. 2005. "Severe Acute Respiratory Syndrome Coronavirus-like Virus in Chinese Horseshoe Bats." *Proceedings of the National Academy of Sciences* 102 (39): 14040-14045 Bats may be the source of SARS.

Lawn, J. E., et al. 2005. "Neonatal survival: a call for action." *Lancet* 365, 891 – 900. Every year four million babies under a month old die, but most could be saved through simple steps, such as encouraging mothers to breast-feed and providing antibiotics for sick babies.

Leroy, E. M. et al. 2004. "Multiple Ebola transmission events and rapid decline of central African wildlife." *Science*, 303, 387 -390, (2004). Ebola is devastating African primates and spreads from animals to hunters

Levi, F. et al. 2004. "Monitoring falls in gastric cancer mortality in Europe." *Annals of Oncology* 15: 338–345. Fewer people in Europe are dying from cancer now than a generation ago

Longini I. M., et al. 2004. "Rapid identification of bird flu infections, and treatment of patients with antiviral drugs." *American Journal of Epidemiology* 159: 629-633. Delays in reporting cases jeopardize plans to prevent a pandemic.

Longnecker, M. P., Klebanoff, M. A., Zhou, H. & Brock, J. W. 2001. "Association between maternal serum concentration of the DDT metabolite DDE and preterm, and small-for-gestational-age babies at birth." *Lancet* 358: 110–114.

Lowell Statement on Science and the Precautionary Principle, December 17, 2001; *Statement from the International Summit on Science and the Precautionary Principle; Hosted by the Lowell Center for Sustainable Production, University of Massachusetts Lowell 20-22 September 2002.* available at <http://www.uml.edu/centers/lcsp/precaution/>. The statement of 77 scientists and teachers affirming the precautionary principle.

Lohmann, R., et al., 2001. "Atmospheric distribution of polychlorinated dibenzo-p-dioxins, dibenzofurans (PCDD/Fs) and non-ortho biphenyls along a north-south Atlantic transect," *Environmental Science and Technology*, 35: 4046-4053.

Lundgren, R. E. and A. H. McMakin. 2004. *Risk Communication: A handbook for communicating environmental, safety, and health risks 3rd ed.* Battelle Press. A comprehensive overview of risk analysis.

Marr, J.S. & Calisher, C. H. 2003. "Alexander the Great and West Nile Virus". *Emerging Infectious Diseases* 9: 1599-1608. Dying ravens provide clue to conqueror's swift demise.

Martino, E. et al. 2003. "Soil fungal hyphae bind and attack asbestos fibers". *Angewandte Chemie International Edition*, 42: 219–222. Bioremediation might make fibre-contaminated soil safer.

Mattoon, Ashley. 2000. "Why the Amphibians?" *Worldwatch* 13 (4): 12-23. What's happening to frogs, toads and salamanders worldwide?

Mazdai, A, et al. 2003. Polybrominated Diphenyl Ethers in Maternal and Fetal Blood Samples. *Environmental Health Perspectives* doi:10.1289/ehp.6146. PBDEs, widely used as flame retardants in many consumer products interfere with thyroid hormone, function and are thus suspected of disrupting neurological development.

McCally Michael (ed). 2002. *Life Support: The Environment and Human Health*. MIT Press. Brings together many lines of evidence linking environmental quality and human health.

McCoy, D., et al. 2003. "Global Equity Gauge Alliance: Reflections on Early Experiences." *Journal of Health, Population and Nutrition* 21 (3): 273-287. Traces the evolution and working of the Global Equity Gauge Alliance and its efforts to promote health equity around the world.

McGinn, Anne P. 2000. "POPs Culture." *World Watch* 13 (2): 26-36. Discusses the threats from persistent organic pollutants.

Miller, Judith, et al. 2001. *Germ: Biological Weapons and America's Secret War*. New York: Simon & Schuster. A popular best-seller on the topic of biological warfare.

Montague, P. 2000. "Dumbing Down the Children," *Rachel's Environment and Health Weekly* no. 687 February 17, 2000 [on line] URL <http://www.rachel.org/bulletin/index>. The first in a three-part series on the dangers of lead in the environment.

Montague, Peter. 1997. "The Truth About Breast Cancer," *Rachel's Environment & Health Weekly* #571, *Electronic Edition*. [Web site: <http://www.monitor.net/rachel>] Annapolis, MD: Environmental Research Foundation. A rather shrill but useful probe of the causes of breast cancer.

Motavalli, Jim. 2004. "Connecting the dots." *Emagazine* XV (6): November/ December. A good discussion of the emerging science of conservation medicine.

Mucci, L. A. et al. 2002. *British Journal of Cancer* 88: 84 – 89. No link found between acrylamide and breast cancer.

Munger, R., et al. 1997. "Intrauterine growth retardation in Iowa communities with herbicide-contaminated drinking water supplies." *Environmental Health Perspectives* 105 (3): 308-314. Atrazine, one of the most widely used herbicides is suspected of contributing to low birth weights.

Murray, C. J. L. and A. D. Lopez. 2000. "Progress and directions in refining the global burden of disease." *Health Economics* 9: 69-82. An analysis of the daily burden of disease from different sources.

Nadakavukaren, Anne. 2000. *Our Global Environment: A Health Perspective*. Waveland press. A broad survey of the major environmental issues with a focus on personal and community health.

Ncayiyana, D. J. 2002. "Africa can solve its own health problems," *British Medical Journal*, 324: 688-689, March 23, 2002. While wealthy nations pursue drugs to treat baldness and obesity, depression in dogs, and erectile dysfunction, elsewhere millions are sick or dying from preventable or treatable infectious and parasitic diseases.

Nendza, M., et al. 1997. "Potential for Secondary Poisoning and Biomagnification in Marine Organisms," *Chemosphere* 35 (9): 1875-1885. Discusses how food webs accumulate and magnify toxins.

Newman, Michael C. and Michael A. Unger. 2002. *Fundamentals of Ecotoxicology*. Lewis Publishers. A good textbook for advanced students.

Nicolaou, K. D. and C. N. Boddy. 2001. "Behind Enemy Lines." *Scientific American* 284 (5): 54-61. Microbes can defeat all current antibiotics but studies offer hope for new drugs.

O'Brien, Mary. 2000. *Making Better environmental Decisions: An Alternative to risk Assessment*. MIT Press. Recommends "alternatives assessment" as a new approach to health protection.

Osta, M. A., et al. 2004. *Science*, 303: 2030- 032. Researchers identify gene that makes insects attack parasite.

Osterholm, M. T. 2005. "Preparing for the Next Pandemic" *Foreign Affairs* 84 (4): 24-37. If an influenza pandemic struck today, borders would close, the global economy would shut down, international vaccine supplies and health-care systems would be overwhelmed, and panic would reign.

Osterholm, M. T. 2000. "Emerging Infections--Another Warning,." *The New England Journal of Medicine* April 27, 2000. 342 (17): 4-5. An overview of the dangers of emergent diseases with some recent examples from around the world.

Parashar, U. D., et al 2006. "Rotavirus and Severe Childhood Diarrhea." *Emerging Infectious Disease* 12 (2) February 2006.

Patterson, K. L. et al. 2002. "The etiology of white pox, a lethal disease of the Caribbean elkhorn coral, *Acropora palmata*." *Proceedings of the National Academy of Sciences*. Human gut bacteria have been found associated with white pox disease, which has killed up to 90% of all the elkhorn coral in the Caribbean.

Peeters, M. et al. 2002. "Risk to human health from a plethora of simian immunodeficiency viruses in primate bushmeat". *Emerging Infectious Diseases*, 8, (2002). A survey finds that more than one-fifth of the monkey meat sold in the markets of Cameroon is infected with HIV's ancestor, SIV.

Peretz, D. et al. 2001. "Antibodies inhibit prion propagation and clear cell cultures of prion infectivity." *Nature*, 412, 739 - 743, (2001). Antibodies may help to fight prion diseases, such as mad cow disease and human Creutzfeldt-Jacob disease (CJD), a new study hints

Price-Smith, Andrew T. 2001. *The Health of Nations: Infectious Disease, Environmental Change, and their Effects on National Security and Development*. MIT Press. A valuable review.

Quideau, S. et al . 2003. "DNA topoisomerase inhibitor acutissimin A and other flavanone-ellagitannins in red wine. *Angewandte Chemie International Edition* 42: 6012-6014. Polyphenols in wine, tea, and other plant produces may be potential anti-cancer agents.

Raffensperger, C. and J. Tickner. 1999. *Protecting Public Health and the Environment: Implementing the Precautionary Principle*. Island Press. Discusses the philosophical foundation and application of the precautionary principle in health planning.

Raghunath D. 2001. "Biological warfare: bioterrorism". *National Medical Journal of India*. 14 (4): 194-6, 2001 Jul-Aug. A useful discussion of bioterrorism threats.

Reiter. P. 2000. "From Shakespeare to Defoe: Malaria in England in the Little Ice Age," *Emerging Infectious Diseases*. 6(1):9-18 Jan-Feb 2000. Discusses connections between climate, social conditions, and infectious diseases.

Reinthal, F.F., et al. 2003. "Antibiotic resistance of E. coli in sewage and sludge." *Water Research*. 37 (8): 1685-1690. Bacterial antibiotic resistance is an increasing problem.

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