

BIOLOGY: PROPERTIES OF ORGANISMS

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Attenborough, *Life on Earth: a natural history*, QH-366.2 .A87 1979b
 Audesirk, *Biology: Life on Earth*, 4th, QH-308.2.A935 1996 (Online guide <http://cwx.prenhall.com/bookbind/pubbooks/audesirk/>)
 Barlow, *From Gaia to Selfish Genes: selected writings in the life sciences*, 1991
 BioInteractive, <http://www.biointeractive.org/> (Hughes Medical Institute)
 Biology Online, <http://www.biology-online.org/> (Survey)
 The Biology Project, <http://www.biology.arizona.edu/> (U. of Arizona)
 Clarke, *The Right Tools for the Job: at work in 20th century life sciences*, 1992
 Dulbecco, *The Design of Life*, 1990
 Hoagland, *The Way Life Works: the science lover's illustrated guide*, 1998
 Medawar, *Aristotle to Zoos: a philosophical dictionary of biology*, 1983
 MIT Biology Hyptertextbook, <http://esg-www.mit.edu:8001/esgbio/7001main.html>
 Moore, *Science as a Way of Knowing: the foundations of modern biology*, 1993
 Stein & Varela, *Thinking About Biology*, QH-311.T53 1993
 Thomas, *The Lives of a Cell: notes of a biology watcher*, 1974

CLARIFY TERMS

BioTech Life Science Dictionary, <http://biotech.icmb.utexas.edu/search/dict-search.html> (Searchable)
 Tootill, *The Facts on File dictionary of biology*, QH--13 .T66
 UCMP Glossary of Biological Terms, http://www.nhgri.nih.gov/DIR/VIP/Glossary/pub_glossary.cgi (UC, Berkeley)

FIND MORE

EXPERTS

American Institute of Biological Sciences, <http://www.aibs.org/>
 Biological Science Libraries, <http://www.sciencekomm.at/home/lists/biolibraries.html>
 MedNets Directory of Biology Associations, <http://www.mednets.com/biologyass.htm>

FIND BOOKS, MAGAZINE ARTICLES & INTERNET SITES

Biosis, <http://www.biosis.org/> (Subscriber-only periodical index & database)
 Med Bio World, <http://www.sciencekomm.at/> (Directory & index)
 National Agricultural Library Agricola database, <http://www.nal.usda.gov/ag98/>
 National Biological Information Infrastructure (NBII), <http://www.nbii.gov/index.html> (News, directories, resources)
 National Institute of Health (NIH) and National Library of Medicine Medline, <http://www.nlm.nih.gov/databases/freemedl.html>
 Sci Net Biology, <http://www.scinet.cc/cgi-bin/search/hyperseek.cgi?search=CAT&Category=Biology>
 WWW Virtual Library of Bio Sciences, <http://vlib.org/Biosciences.html>

NEWS SOURCES

Biospace, <http://www.biospace.com/>

Eureka Alert Biology, <http://www.eurekaalert.org/bysubject.php?kw=16>
Nature, <http://www.nature.com/nature/>
New Scientist, <http://www.newscientist.com/> (Well-written UK weekly)
Science, <http://www.sciencemag.org/>
The Scientist, <http://www.the-scientist.com/>

BIOLOGY A - Z:

ANATOMY

Animal Physiology Resources, <http://www.sciencekomm.at/bio/assocdb/animalphysio.html>
The Digital Anatomist Project, <http://sig.biostr.washington.edu/projects/da/> (U. of Washington)
E-Skeletons Project, <http://www.eskeletons.org/> (National Science Foundation)
Fahn, *Plant Anatomy*, QK-641.F313 1990
Gray's Anatomy, <http://www.bartleby.com/107/> (Images & full text)
The Johns Hopkins Atlas of Human Functional Anatomy, Reference-QM--23.2 .J63 1986
Guided Tour of the Visible Human, <http://www.madsci.org/~lynn/VH/> (Digitized sections & animations from U. of Washington)
Plant Physiology Resources, <http://www.sciencekomm.at/bio/assocdb/plantphysio.html>

KINESIOLOGY & MOTION CAPTURE

Braun, *Picturing Time; the work of Étienne-Jules Marey*, TR-840.B73 1992 (Excellent. Surveys motion study up to the Gilbreths)
Digital Muybridge, <http://www.cs.berkeley.edu/~bregler/bodies.html> (UC, Berkeley)
Étienne-Jules Marey: movement in light, <http://www.expo-marey.com/> (Cinémathèque Française)
Human Movement Tracking Technology, <http://www.cs.sfu.ca/~amulder/personal/vmi/HMTT.pub.html> (Simon Fraser U.)
Motion Capture Research, <http://www.cs.sfu.ca/~amulder/personal/vmi/HMTT.pub.html> (Vision & Graphics Laboratory (VISGRAF))
Muybridge, *The Human Figure in Motion*, QP-301.M85 1955
Muybridge, *Animals in Motion*, QP-301.M84 1957
Yahoo Motion Capture links,
http://dir.yahoo.com/Entertainment/Comics_and_Animation/Animation/Computer_Animation/Motion_Capture/

MORPHOLOGY

Benyus, *Biomimicry: innovation inspired by nature*, 1997
Brown, *Scaling in Biology*, 2000
Carroll, *From DNA to Diversity: molecular genetics and the evolution of animal design*, 2001
Egmond, *Mammoth and the Mouse; microhistory and morphology*, D--16.E32 1997
Introduction to Morphometry, <http://www-old.physiol.usyd.edu.au/daved/teaching/emu/intro.html>
McGowan, *Diatoms to Dinosaurs: size and scale of living things*, QL-799.M38 1994
Olson, *Morphological Integration*, 1999
Picking Up Where D'Arcy Thompson Left Off, http://science.nasa.gov/newhome/headlines/ast28may99_1.htm (NASA)
Raff, *Shape of Life; genes, development and animal form*, QH-390.R325 1996
Thom, *Structural Stability and Morphogenesis*, QH-323.5.T4813 1988
Thomson, *On Growth and Form*, QP--84.T4 1992

ARTIFICIAL LIFE

Artificial Intelligence and A-Life, <http://www.newscientist.com/hottopics/ai/> (Introduction by New Scientist)
Boden, *Philosophy of Artificial Life*, BD-418.8.B63 1996
Emmeche, *Garden in the Machine; emerging science of artificial life*, QH-324.2.E4613 1994
Google Artificial Life links, http://directory.google.com/Top/Computers/Artificial_Life/
Langton, *Artificial Life*, QH-324.2.A74 1995

BIOTECHNOLOGY

Biotechnology Industry Organization, <http://www.bio.org/>
Cloning Factsheet, <http://genomics.phrma.org/cloning.html> (Pharmaceutical Research & Manufacturers of America)
Genetically Modified Foods, <http://www.csa.com/hottopics/gmfood/overview.html> (Cambridge Scientific Abstracts)
Google Biotechnology links, <http://directory.google.com/Top/Science/Biology/Biotechnology/>
National Center for Biotechnology Information, <http://www.ncbi.nlm.nih.gov/>
Smith, *Biotechnology*, 3rd, TP-248.2.S66 1996
Society for In Vitro Biology, <http://www.sivb.org/>
Southwest Biotechnology and Informatics Center, <http://www.nbif.org/> (Directory)
WWW Virtual Library of Biotechnology, <http://www.cato.com/biotech/>

CELL BIOLOGY

- Afzelius, *Anatomy of the Cell*, QH-581.A2813
Cells Alive, <http://www.cellsalive.com/> (Renderings & animations)
Cell Biology / Cytology links, <http://www.sciencekomm.at/bio/assocdb/cellbio.html#db>
Cells.de Online service for Cell Biology, http://www.cells.de/index_e.htm (Photos & videoclips)
De Duve, *A Guided Tour of the Living Cell*, QH-581.2 .D43 1984
Electron Micrograph Library, <http://phage.bocklabs.wisc.edu/index.htm> (U. of Wisconsin, Madison)
Judson, *Eighth Day of Creation: makers of the revolution in biology*, QH-506.J83 1995
WWW Virtual Library of Cell Biology, http://lib.org/Science/Cell_Biology/

EVOLUTION

- Darwin, *The Darwin Reader*, 2nd, QH-365.D25 D37 1996
Evolutionary Biology links, <http://www.sciencekomm.at/bio/assocdb/evolutionbio.html#db>
Google Criticism of Darwin links,
http://directory.google.com/Top/Science/Anomalies_and_Alternative_Science/Criticism_of_Darwinism/
Gould, *Ever Since Darwin : Reflections in Natural History*, QH-361.G65 1977
Haldane, *The Causes of Evolution*, QH-366 .H45 1990
Miller, *Darwin for Beginners*, QH--31.D2 M54 1982

HISTORIES OF BIOLOGY

- Canguilhem, Ideology and rationality in the history of the life sciences, QH-305 .C2613 1988
Dawkins, *The Blind Watchmaker*, QH-366.2.D37 1985
Gillispie, *Dictionary of Scientific Biography*, 1981
History of Biology, <http://www.dartmouth.edu/~bio1/> (Dartmouth)
Mayr, Growth of Biological Thought, QH-305.M26
Smit, *History of the Life Sciences: an annotated bibliography*, 1974

KINGDOM ANIMALIA

- Allaby, *Concise Oxford Dictionary of Zoology*, QL---9.C66 1992
Amphibian Species of the World, <http://research.amnh.org/herpetology/amphibia/index.html> (American Museum of Natural History)
Berenbaum, *Buzzwords: a scientist muses on sex, bugs and rock 'n' roll*, 2000
European Molecular Biology Laboratory Reptile Database, <http://www.embl-heidelberg.de/~uetz/LivingReptiles.html>
Fishbase, <http://www.fishbase.org/search.cfm>
Gilliard, *Living Birds of the World*, QL-673.G524 1969
Google Anamalia links, http://directory.google.com/Top/Science/Biology/Flora_and_Fauna/Animalia/
Halliday, *Encyclopedia of Reptiles and Amphibians*, QL-641.H35 1986
Introduction to the Aves, <http://www.ucmp.berkeley.edu/diapsids/birds/birdintro.html> (UC, Berkeley)
Mammal Species of the World, <http://www.nmnh.si.edu/msw/> (Smithsonian)
O'Toole, *Encyclopedia of Insects*, QL-462.3.O86 1986

KINGDOM FUNGI

- "Fungi," McGraw-Hill Encyclopedia of Science & Technology, Reference-Q-121.M3 1997
Google Fungi links, http://directory.google.com/Top/Science/Biology/Flora_and_Fauna/Fungi/
Introduction to the Fungi, <http://www.ucmp.berkeley.edu/fungi/fungi.html> (UC, Berkeley)
Mycology links, <http://www.sciencekomm.at/both/assocdb/mycology.html#db>
Myko Web, <http://www.mykoweb.com/> (California-based)
WWW Virtual Library of Mycology, <http://www.keil.ukans.edu/~fungi/>

KINGDOM MONERA (single-cell organisms that are prokaryotic, i.e. they lack nuclei, such as algae & bacteria)

- Biological Identity of Prokaryotes, <http://www.perspective.com/nature/protocista-index.html> (U. Wisconsin, Madison)
Google Monera links, http://directory.google.com/Top/Science/Biology/Flora_and_Fauna/Monera/
Introduction to the Bacteria, <http://www.ucmp.berkeley.edu/bacteria/bacteria.html> (UC, Berkeley)
Kingdom Monera, <http://fig.cox.miami.edu/Faculty/Dana/monera.html> (U. of Miami)
Lengeler, *Biology of the Prokaryotes*, 1999

KINGDOM PLANTAE

- Agricola, <http://agricola.cos.com/> (International index by the National Agricultural Library)
American Society of Plant Biologists, <http://www.aspb.org/>
Blackmore, *The Facts on File Dictionary of Botany*, QK---9 .F33 1984
Botany.com Encyclopedia of Plants, <http://www.botany.com/>
Britton, *An Illustrated Flora of the Northern United States and Canada*, QK-117 .B8 1970 v. 1-3

Flora of North America, <http://www.fln.org>
Galston, *Life processes of plants*, QK711.2 .G345 1994
Google Plantae links, http://directory.google.com/Top/Science/Biology/Flora_and_Fauna/Plantae/
Internet Directory for Botany, <http://www.botany.net/IDB/subject/botmenu.html> (Excellent)

KINGDOM PROTISTA (single-cell organisms that are eukaryotes, i.e. they have nuclei)

Google Protistae links, http://directory.google.com/Top/Science/Biology/Flora_and_Fauna/Protoctistae/
Kingdom Protista, <http://www.nova.edu/ocean/biol1060/protista.html> (Nova Southeastern U.)
The Protoctist Kingdom, <http://www.perspective.com/nature/protoctista-index.html>

MOLECULAR BIOLOGY

Goodsell, *The Machinery of Life*, QH-581.2.G66 1992
MedScape Molecular Medicine,
<http://molecularmedicine.medscape.com/Home/Topics/MolecularMedicine/MolecularMedicine.html>
Molecular Biology links, <http://www.sciencekomm.at/bio/assocdb/molecular.html#db>
Tutorials in Molecular Biology, <http://www.lsic.ucla.edu/l3/tutorials/index.html>

GENETICS

Dolan DNA Learning Center, <http://vector.cshl.org/> (Survey, resources & directory)
Genetics Information Center, <http://www.kumc.edu/gec/> (U. of Kansas)
Genetic Glossary, http://www.nhgri.nih.gov/DIR/VIP/Glossary/pub_glossary.cgi (National Human Genome Research Institute)
Gonick & Wheelis, *Cartoon Guide to Genetics*, XXX
Kevles, *Code of Codes: Scientific and Social Issues in the Human Genome Project*, RB-155.C575 1992
Mendel Web, <http://www.netspace.org/MendelWeb/>
The National Human Genome Research Institute, <http://www.nhgri.nih.gov/index.html>
Watson, *Double Helix: A Personal Account of the Discovery of the Structure of DNA*, QD-341.A2 W315
Watson, *Molecular Biology of the Gene*, QH-506 .M6627 1987

NEUROBIOLOGY

Andreasen, *Broken Brain: Biological Revolution in Psychology*, RC-455.4.B5 A53 1985
Curtis, *An Introduction to the Neurosciences*, RC-346 .C87
Finger, *Origins of Neuroscience*, QP-353.F55 1994
Neuroscience links, <http://www.sciencekomm.at/both/assocdb/neuroscience.html#db>
Whole Brain Atlas, <http://www.med.harvard.edu/AANLIB/home.html> (Harvard & MIT)
WWW Virtual Library of Neurosciences, <http://neuro.med.cornell.edu/VL/>

PSEUDOSCIENCE

Google Cryptozoology links, http://directory.google.com/Top/Science/Anomalies_and_Alternative_Science/Cryptozoology/
Gould, *Mismeasure of Man*, BF-431.G68 1981
Image Archive on the American Eugenics Movement, <http://vector.cshl.org/eugenics/> (Dolan DNA Learning Center)
Quackwatch, <http://www.quackwatch.com/index.html>
Soyer, *Lysenko and the Tragedy of Soviet Science*, 1994

REPRESENTATIONS OF BIOLOGY IN ART, LITERATURE, MOVIES

ART

Cazort, *Ingenious Machine of Nature; 4 centuries of art & anatomy*, NC-760.C39 1996
Haeckel, *Art Forms In Nature*, QH--46.H813 1998
Pentherbridge, *Quick and the Dead: Artists and Anatomy*, NC-760.Q53 1979
Ritterbush, *The Art of Organic Forms*, 1968
Wood, *Scientific Illustration; guide to biological, zoological & medical rendering*, 2nd, QH-318.W66 1995
Zweifel, *A Handbook of Biological Illustration*, QH-318 .Z97 1988

LITERATURE

Levine, *Darwin and the Novelists*, 1991
Morton, *Vital Science: Biology and the Literary Imagination 1860-1900*, 1984
Parker, *Biological Themes in Modern Science Fiction*, 1984
Robben, *Evolution and Poetic Belief: a study in some Victorian and modern writers*, 1956

MOVIES

Anderson, *Next Stop Wonderland*, 1998;
Celluloid Dinosaurs, <http://www.dinosaur.org/MovieHistory.htm> (Extensive filmography by E. Summer et al)
Glassy, *The Biology of Science Fiction Cinema*, 2001
Google Godzilla links, http://directory.google.com/Top/Arts/Movies/Titles/G/Godzilla_Movies/

Insect Fear Film Festival, <http://www.life.uiuc.edu/entomology/iff.html> (annual event of the Entomology Dept, U. Illinois, Urbana)

Krammer, *Inherit the Wind*, 1960;

Nichols, *Who's Afraid of Virginia Woolf?* 1966;

Ordung, *Monster from the Ocean Floor*, 1954;

Spielberg, *Jaws*, 1975;

TAXONOMY

Classification Lab, http://sidwell.edu/us/science/vlb5/Labs/Classification_Lab/classification_lab.html

Glossary of zoological nomenclature, <http://www.sel.barc.usda.gov/scalenet/glossary.htm>

Linnaeus Link, <http://www.nhm.ac.uk/library/linn/> (Resources & links)

World Biodiversity Database, <http://www.eti.uva.nl/Database/WBD.html>

VIRUSES (not really organic)

All the Virology on the WWW, <http://www.virology.net/index.html> (Directory)

Google Virus links, http://directory.google.com/Top/Science/Biology/Flora_and_Fauna/Viruses/

Levine, *Viruses*, QR-360 .L38 1991

Principles of Virus Architecture, <http://www.uct.ac.za/depts/mmi/stannard/virarch.html>

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