

Subject Guide to Biology

Browsing the Biology Collection

The call number heading for biology is primarily QH. Other call number headings include QK, QL, QM, QP and QR. If you do not find what you are looking for by simply browsing, please consult the online catalog. Below is a table of the Library of Congress Classification outline for biology.

QH 301-705.5	Biology (General)	QH 705-705.5	Economic Biology
QH 359-425	Evolution	QK 1-989	Botany
QH 426-470	Genetics	QL 1-991	Zoology
QH 471-489	Reproduction	QM 1-695	Human Anatomy
QH 501-531	Life	QP 1-981	Physiology
QH 540-549.5	Ecology	QR 1-502	Microbiology
QH 573-671	Cytology		

Selected Reference Books

- 📖 **The Basics of Biology** [QH 307.2 .S75 2004 Ref] – contains information about biological topics such as cells, genetics, and organs.
- 📖 **The Cambridge Dictionary of Human Biology and Evolution** [QP 34.5 .M24 2005 Ref] – provides definitions of various biological terms such as “genome mutation.”
- 📖 **Concise Encyclopedia Biology** [QH 302.5 .A2313 1996 Ref] – Contains brief entries ranging from one paragraph to half a page on a wide variety of biological topics, such as digestion, chlorophylls, evolution, and RNA. The plate section in the back of this book contains both black and white and color illustrations.
- 📖 **The Dictionary of Cell Biology** [QH 575 .D5 1995 Ref] – Contains definitions of terms pertaining to cell biology, such as endotoxin, nucleotide, and DNA transfection. Illustrative tables are located in various parts of this book. Also included is an appendix, which contains metric system prefixes, the Greek alphabet, constants, and codes for amino acids.
- 📖 **Encyclopedia of Environmental Biology** [QH 540.4 .E52 1995 Ref, 3 volumes] – Created for students and researchers and contains articles ranging from five to 35 pages. This book covers the various aspects of environmental science, such as deforestation, nature preserves, and acid rain. Illustrations within articles include figures, tables, and black and white photographs.
- 📖 **Encyclopedia of Human Nutrition** [QP 141 .E526 2005 Ref, 4 volumes] – provides thorough articles on topics such as “ascorbic acid” and “carbohydrates.”
- 📖 **Encyclopedic Dictionary of Genetics, Genomics, and Proteomics** [QH 427 .R43 2003 Ref] – contains information pertaining to various topics, such as mitosis. Entries vary in length.
- 📖 **Facts on File Dictionary of Biology** [QH 302.5 .F38 2005 Ref] – Prepared for students and anyone else interested in biology. Contains over 3,700 brief entries providing definitions and/or descriptions of biological terms including citric acid, growth hormone and many others. Also included are illustrations and an appendix containing outlines of the animal and plant kingdoms and amino acid structures.
- 📖 **Gray’s Anatomy** [QM 23.2 .G73 2008 Ready Ref] – A comprehensive resource which covers the aspects of the human body in 85 chapters. Articles are brief in length but in depth in their descriptions. Illustrations include tables, diagrams and photographs, both black and white and color.
- 📖 **Grzimek’s Animal Life Encyclopedia** [QL 7 .G7813 2003 Ref, 17 volumes] – This comprehensive, multi-volume encyclopedia contains information pertaining to several types of animals, such as insects, fishes, amphibians, and mammals.
- 📖 **Mabberley’s Plant-Book: A Portable Dictionary of Plants, Their Classifications and Uses** [QK 11 .M29 2008 Ref] – contains over 24,000 entries which provide information on plants. Common and scientific names of plants are included.

📖 **Magill's Encyclopedia of Science: Plant Life** [QK 7 .M34 2003 Ref, 4 volumes] – contains thorough articles on botany-related topics, such as “Australian flora.”

Selected Databases

Biology

- 📖 **AGRICOLA** [EBSCOhost] ^{Off-Campus Full-Text} – covers agriculture and life sciences.
- 📖 **Biology Digest** (1989- present) [FirstSearch Advanced] ^{Off-Campus} – topics covered include botany, environmental science, health, life sciences, medicine, zoology, and other topics.
- 📖 **The Journal of Cell Biology** (1955- present) [Rockefeller University Press] ^{Off Campus Full-Text} – this e-journal contains full text articles pertaining to cell biology.

Environment

- 📖 **Environment Complete** [EBSCOhost] ^{Off-Campus} – indexing and abstracts for over 1,000 titles focusing on global environmental issues. Also includes the full text of 400 journals and 80 monographs.
- 📖 **Garden, Landscape, and Horticulture Index** [EBSCOhost] ^{Off-Campus} – indexing and abstracts are provided for over 300 titles concentrating on plants and gardening.
- 📖 **GeoRef** [EBSCOhost] ^{Off-Campus} – produced by the American Geological Institute, GeoRef is a comprehensive geosciences database containing over 2.8 million bibliographic records to the geosciences literature of the world.
- 📖 **Greenfile** [EBSCOhost] ^{Off-Campus} – A "collection of scholarly, government and general interest titles" on all topics relating to the environment. This unique database also includes the full-text from several thousand open-source documents.

In addition to searching the subject specific databases listed above, you may also search general databases such as EBSCOhost's **Academic Search Premier** or **MasterFILE Premier**.

Selected Web Sites

- 🔗 **Hunt Institute for Botanical Documentation** [<http://huntbot.andrew.cmu.edu/>] – This Web site contains information pertaining to botanical topics.
- 🔗 **Kimball's Biology Pages** [<http://users.rcn.com/jkimball.ma.ultranet/BiologyPages/>] – A Web site of information pertaining to various biological topics, such as biochemistry, cell biology, genetics, and other topics.
- 🔗 **National Biological Information Infrastructure** [<http://www.nbi.gov>] – A Web site on which you can find information on a variety of biological topics, such as plants, animals, and habitats.
- 🔗 **The WWW Virtual Library: BioSciences** [<http://vlib.org/Biosciences.html>] – A Web page containing links to Web sites pertaining to biology. Web sites linked to cover the topics of botany, medicine, neurobiology, and many other topics in biology.