



SOME MATERIALS ON BIOLOGY AVAILABLE AT THE MESA COLLEGE LIBRARY



American Seashells - Technical descriptions of all "marine mollusca of the Atlantic and Pacific coasts of North America." Illustrated with drawings and b&w photos. Index at end. REF. QL 411 A19

Animal – This Smithsonian "animal catalog looks in detail at each major group" via profiles of over 2,000 species. Detailed introduction covers such topics as major evolutionary developments, anatomy, life cycles, and classification. Survey of world habitats discusses adaptation to environment and threats to both animals and plants. Copious color illustrations and index. REF. QL 45.2 A56

Animal Sciences - 4 vols. - Each article in this alphabetically arranged set contains a bibliography. Color photos, drawings, and diagrams illustrate many articles. Biographies of people in the field provided. Table of contents for all four volumes and tables covering geological time scale, organism classification, and phylogenetic relationship of living things in each volume. Glossary, topic outline, and index for entire set at end of volume four. REF. SF 61 C585

Atlas of Human Anatomy – Contains detailed color diagrams of all parts of the human body, with labels. Eight sections cover the head and neck, back and spinal cord, thorax, abdomen, pelvis and perineum, upper and lower limbs, and cross-sectional anatomy. An index is at the back. REF. QM 25 N46

Audubon Society Encyclopedia of Animal Life - Single volume divided into 6 general sections. Color and b&w photos illustrate articles on mammals, birds, reptiles, amphibians, fishes, and invertebrates. Index at end. REF. QL 50 A9

Bergey's Manual of Determinative Bacteriology - Single volume concerned only with identifying bacteria. Descriptions, b&w photos, numerous tables, etc. Index of scientific names of bacteria the end. REF. QR 81 A5

Bergey's Manual of Systematic Bacteriology – 4 vols. - Assists in identifying bacteria and shows relationships between them through articles, b&w photos, tables, etc. Extensive bibliography and index of scientific names of bacteria in each volume. Volume 4 has cumulated name index for entire set. REF. QR 81 A5

Biology – 4 vols. – Each article in this alphabetically arranged set contains a bibliography. Color photos, drawings, diagrams illustrate articles and small boxed biographies of important *related* people scattered throughout. Longer bios of people *in field* in set. Table of contents for all four volumes in each volume. Glossary, topic outline, and index for entire set at end of volume four. REF. QH 307.2 B556

Cambridge Encyclopedia of Life Sciences - Profusely illustrated one-volume set covering cells, genetics, ecology, various environments, evolution, and much more. Subject and species indexes. REF. QH 307.2 C36

Cambridge Illustrated Glossary of Botanical Terms - "Over 2400 terms commonly used to describe vascular plants" are covered. Majority of definitions are cross-referenced to line drawings that illustrate terms. Lists of symbols, prefixes, suffixes, taxonomic ranks, and measurement abbreviations provided in front of book. REF. QK 10 H53

Concise Oxford Dictionary of Botany - Definitions of terms, processes, important people, taxonomic groups, etc. REF. QK 9 C67

Encyclopedia of Evolution – 2 vols. – Alphabetically arranged articles are supplemented by b&w photos, drawings, graphs, figures, and individual article bibliographies. Overview essays at the beginning of vol. 1 and an index at the end of vol. 2 complete the set. REF. QH 360.2 E54

Encyclopedia of Genetics – 2 vols. - Each alphabetically arranged article includes: field (of genetics), significance, key terms, and cross-references. B&w photos, tables, diagrams. Short bios of important geneticists, a timeline of developments, a glossary, a detailed bibliography, a list of web sites, and three indexes (category, “personages,” subject) at end of vol. 2.

Encyclopedia of Mammals - Coverage of carnivores, sea mammals, primates, herbivores, and marsupials supplemented by tables, maps, and color photos. Appendix of species, bibliography, glossary, and index. **REF. QL 703 E53**

Encyclopedia of Marine Mammals – Tables, maps, diagrams (including on the end pages), b&w photos, and bibliographies at the end of each detailed article are supplemented by a list of marine mammal species, thumbnail biographies, a glossary, and an index. **REF. QL 701.2 E53**

Encyclopedia of North American Trees – Color photos augment entries alphabetically arranged by species’ Latin names (genus and species). Common names also provided, as are characteristics, habitat, and “commercial and landscape uses.” Glossary, tree-hardiness chart (with map), list of organizations, bibliography, and index. **REF. QK 474.87 B46**

Encyclopedia of Oceanography - Articles have diagrams, maps, tables, and (some) bibliographies. Index at the end. **REF. GC 9 F3**

Encyclopedia of the Environment - Covers basic scientific and environmental terms and problems in articles ranging from half a page to several pages. Cross-references, tables, b&w photos, graphs, and index. **REF. GE 10 E53**

Encyclopedia of the Sea - Sea creatures, people and events, and other things associated with the sea are covered in a single volume. B&w drawings, color paintings, and cross-references. **REF. GC 9 E38**

Endangered Wildlife of the World - 11 vols. - Arranged alphabetically by common species name. Provides scientific name, class, order, family, description, and status (“endangered,” “threatened,” etc.). Color photos of animals and range maps. Vol. 11 contains chart of the animal kingdom; indexes by common and scientific names and geographic location; and appendices containing names of wildlife organizations, refuges, government agencies, and selected bibliography. **REF. QL 83 E55**

Facts on File Dictionaries – Contain alphabetically arranged definitions supplemented by charts, drawings, diagrams, cross-references, and/or appendices. Library has: **Biochemistry (REF. QP 512 F33)**, **Biology (REF. QH 302.5 F38)**, **Biotechnology and Genetic Engineering (REF. TP 248.16 S84)**, **Botany (REF. QK 9 F33)**, **Environmental Science (REF. TD 9 W95)**, **Marine Science (REF. GC 9 F28)**.

Flora of North America - 2 vols. - Technical descriptions. Each volume has its own index. **REF. QK 110 T7**

Flora of San Diego County, California - Descriptions of San Diego County vegetation and flora, set of vegetation maps, list of sources, and technical “catalog of flora.” Index to families and genera in catalog of flora at end. **REF. QK 149 B37**

Encyclopedia of Evolution – 2 vols. – Alphabetically arranged articles are supplemented by b&w photos, drawings, graphs, figures, and individual article bibliographies. Overview essays at the beginning of vol. 1 and an index at the end of vol. 2 complete the set. **REF. QH 360.2 E54**

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Global Warming in the 21st Century – 3 vols. – Vol. 1 – “Our Evolving Climate Crisis;” Vol. 2 – “Melting Ice and Warming Seas;” Vol. 3 – “Plants and Animals in Peril.” Articles are supplemented by b&w photos and bibliographies. A longer bibliography and an index are at the end of Vol. 3. **REF. QC 981.8 G56 J643**

Gray's Anatomy - The standard. Color and b&w diagrams with detailed descriptions of parts of human body. References and index. **REF. QM 23.2 G73**

Greenspec Directory – A listing of “green” products and the companies that make them, arranged by category. Each category begins with “guideline specifications.” **REF. TA 403.6 G74**

Grzimek's Animal Life Encyclopedia - 17 vols. - Detailed information on lower animals, insects, mollusks and echinoderms, fishes, amphibians, reptiles, birds, and mammals, supplemented by color and b&w drawings. Each volume contains animal classifications; animal name translations; conversion tables; supplementary readings, abbreviations, symbols; and index. **REF. QL 3 G7813**

Habitats and Ecosystems: An Encyclopedia of Endangered America - State-by-state sections containing general overviews and annotated listings of endangered areas. Short history of U.S. conservation, contact information for national conservation agencies and organizations, state organizations, endangered and threatened U.S. flora and fauna; bibliography; and index. **REF. QH 76 C73**

Henderson's Dictionary of Biological Terms - All areas of Biology in alphabetically arranged set of definitions. List of abbreviations and unit conversion table at front. **REF. QH 302.5 H65**

Illustrated Encyclopedia of Trees – Color illustrations enhance material arranged by tree family (e.g. pine, cypress). Glossary and indexes of scientific and common names. **REF. QK 475 M67**

Illustrated Flora of the Pacific States - 4 vols. - Technical descriptions divided by family and augmented by drawings. Indexes to genera and families in vols. 1-3. Key to families and common and scientific name indexes to entire set in vol. 4. **REF. QK 143 A3**

Life on Earth – 2 vols. – Articles on topics related to biodiversity, ecology, and evolution.” Diagrams, b&w photos, tables, figures, cross-references, bibliographies, and an index. **REF. QH 541.15 B56 L54**

Macmillan Encyclopedia of the Environment - 6 vols. - Copiously illustrated short articles provide basic information about topics related to conservation, including laws. Timeline of events and legislation, annotated lists of environmental organizations (with contact information), bibliography, and index in volume 6. **REF. GE 10 M33**

Macmillan Illustrated Animal Encyclopedia - Mammals, birds, reptiles, amphibians, and fishes, briefly described. Color drawings of each animal provided. Index at the end. **REF. QL 7 M33**

McGraw-Hill Encyclopedia of Environmental Science - Single volume with alphabetically arranged articles on topics ranging from Aerobiology to Zooplankton. Illustrations, bibliographies at end of many articles, and index. **REF. QH 540.4 M3**

Molecular Biology and Biotechnology: A Comprehensive Desk Reference – B&w photos, diagrams, figures, cross-references, tables, and bibliographies help in understanding the alphabetical, detailed, and technical articles. Index at end. **REF. QH 506 M66155**

Mysterious Creatures: A Guide to Cryptozoology – 2 vols. – Alphabetical entries on “the study of and search for animals and especially legendary animals (as Sasquatch) usually in order to evaluate the possibility of their existence.” Sections on animals discovered since 1900, lake and river monsters, and two indexes (geographical and “cryptid”) at end of vol. 3. **REF. QL 88.3 E24**

Nature Encyclopedia – Short entries covering four broad categories: earth sciences, life sciences, flora and fauna, biographies. Color illustrations and diagrams, charts, tables, chronology. Maps on inside front and back covers. **REF. QH 13 N27**

Ocean & Marine Dictionary - Short definitions of terms in the field. Several tables at back. **REF. GC 9 T86**

Ocean World Encyclopedia - Single volume for non-specialists. Covers physical, geological, chemical, and biological oceanography; instrumentation; hurricanes, organizations, and famous people. Photos, diagrams, and an index. **REF. GC 9 G76**

Oxford Companion to the Body – Photos and b&w and color illustrations supplement the alphabetically arranged entries on major systems; their development, processes, functions, and the diseases and disorders that can affect them. Bibliographies at the end of some articles and an index at the end complete the volume. **REF. QM 7 O96**

Oxford Dictionary of Biochemistry & Molecular Biology – Alphabetically arranged definitions cover a broad range of biochemistry and molecular biology. Diagrams supplement many of the definitions. Guide to using dictionary at beginning and appendices on topics such as Internet sites and organizations at end. Additional tables, including the Periodic Table of the Elements, found on inside front and back covers. **REF. QP 512 O94**

Oxford Nature Encyclopedia – Alphabetically arranged entries, ranging from a few lines to two pages, are supplemented by color drawings and photos, a detailed chronology, charts for “ready reference,” and maps on the end pages. **REF. QH 13 N27**

Penguin Atlas of Endangered Species: A Worldwide Guide to Plants and Animals – Basic information in sections on ecosystems, regions, animals and plants, birds, conservations issues. Color photos, drawings, maps, tables, bibliography (including web sites), index. **REF. QH 75 M318**

Plant Sciences - 4 vols. - Each article in this alphabetically arranged set contains a bibliography. Color photos, drawings, and diagrams illustrate many articles. Biographies of people in the field provided. Table of contents for all four volumes and glossary, topic outline, and index in each volume. Index for entire set at end of volume four. **REF. SF 61 C585**

Raptors of the World – Color and b&w drawings and maps supplement information arranged under broad headings, such as topography, migration, taxonomy, sex and age differences, and more. Includes distribution, habitat, characteristics, population, food, breeding, etc. for each bird. Detailed bibliography and index. **REF. QL 696 F3 F42**

Walker's Mammals of the World - 2 vols. - B&W photos supplement information listed by scientific names and grouped by genera. Table of world mammal distribution in vol. 1. Extensive bibliography and index to both volumes in vol. 2. **REF. QL 703 W222**

Wild Flowers of the United States - 7 vols. - Color illustrations for short descriptions divided into three subsets by geographic area: Northeastern, Southeastern, and Southwestern states. Index of common and biological names. **REF. QK 115 R5**

Wiley Encyclopedia of Environmental Pollution and Cleanup – 2 vols. – Tables, figures, bibliographies, formulas, diagrams, and b&w photos augment the alphabetically detailed arranged articles. An index in vol. 2 completes the set. **REF. TD 173 E53**

World of Genetics – 2 vols. – All aspects of Genetics are covered in alphabetically arranged articles supplemented by cross-references, b&w photos, and diagrams. A bibliography, chronology, and index are at the end of vol. 2. **REF. QH 427 W67**

MANY more materials dealing with BIOLOGY are in our library (see GENERAL SCIENCE handout). Do not forget to check in resources that may not seem directly related and in general reference sources such as SANDY PAC, PROQUEST, and EBSCOHOST.

For online resources, see **SOME WEB SITES RELATED TO BIOLOGY** handout.

IF YOU NEED HELP, ASK A LIBRARIAN

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