

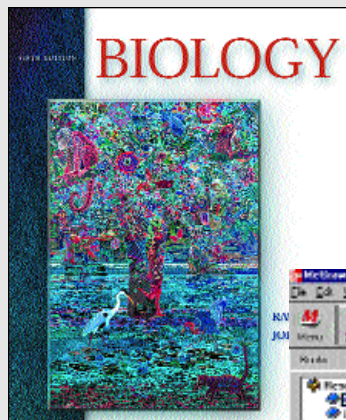
McGraw-Hill Higher Education Introduces:

INTERACTIVE e-SOURCE

INTERACTIVE e-SOURCE is an exciting student resource that combines McGraw-Hill print, media, study, and Web-based materials into one easy-to-use CD-ROM. This CD-ROM provides cutting-edge technology that accommodates all learning styles, and complements the printed text. The CD provides a truly non-linear experience by using video and art, as well as web-based, and other course materials to help students organize their studies. Best of all, INTERACTIVE e-SOURCE is free for students who purchase select McGraw-Hill titles.

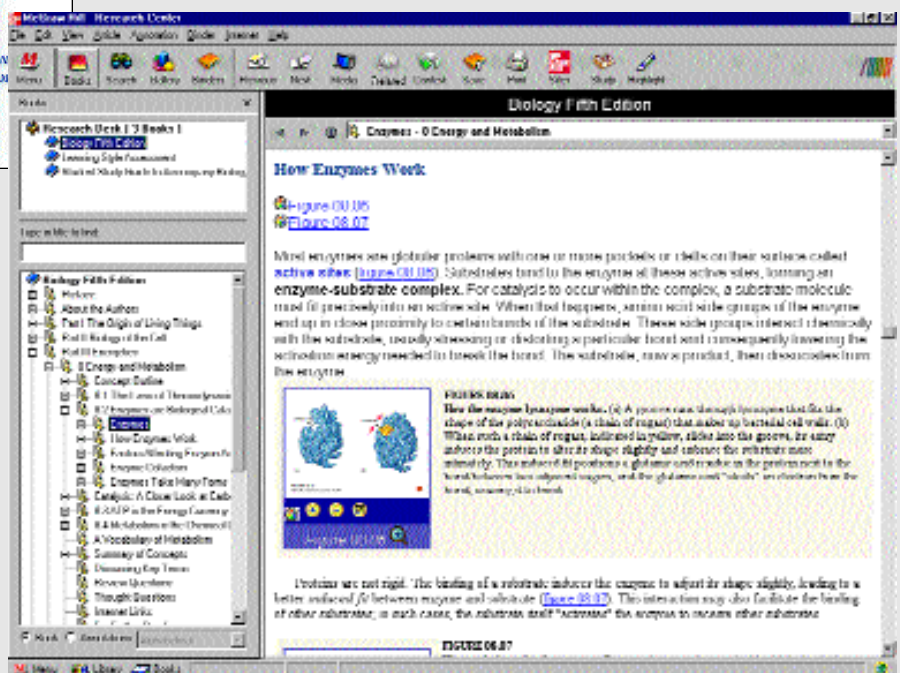
The following features illustrate, in depth, the benefits of INTERACTIVE e-SOURCE.

- Full textbook and study guide HTML files are inter-linked. This includes all narrative, art and photos, PLUS expertly crafted animations and video.
- Targeted web links encourage **focused web research**.
- A **powerful Search Engine** enables students to improve studying by locating targeted content quickly and easily.
- An **annotation function** allows students to enhance their studying by personalizing e-SOURCE material with their own specific notes or comments.
- By using the **highlighting function** (and their choice of highlight color), students can quickly identify important concepts as they review their materials.
- The **Media Gallery** organizes all non-text content on the CD and presents it as a clear menu. This allows students to perform non-linear searches as well as retrieval of any media content relevant to their specific studying needs.
- A **Customized Binder** function allows students to extract important information and customize their materials for future reference.
- A special **Read** feature converts written text to audio, enabling students to listen to important concepts and hear the proper pronunciations of key terms.

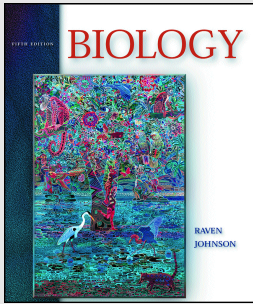


Biology, Fifth Edition

by Peter Raven and George Johnson
1999 • ISBN 0-07-241923-7
www.mhhe.com/biolink



Contact your McGraw-Hill sales representative for more information or visit www.mhhe.com.



INTERACTIVE e-SOURCE

Biology, Fifth Edition

by Peter Raven and George Johnson
1999 • ISBN 0-07-241923-7
www.mhhe.com/biolink

TEXTBOOK

Textbook • Table of Contents

- Part I The Origin of Living Things
 - 1 The Science of Biology
 - 2 The Nature of Molecules
 - 3 The Chemical Building Blocks of Life
 - 4 The Origin and Early History of Life
- Part II Biology of the Cell
 - 5 Cell Structure
 - 6 Membranes
 - 7 Cell-Cell Interactions
- Part II Energetics
 - 8 Energy and Metabolism
 - 9 How Cells Harvest Energy
 - 10 Photosynthesis
- Part IV Reproduction & Heredity
 - 11 How Cells Divide
 - 12 Sexual Reproduction and Meiosis
 - 13 Patterns of Inheritance
- Part V Molecular Genetics
 - 14 DNA: The Genetic Material
 - 15 Genes and How They Work
 - 16 Control of Gene Expression
 - 17 Altering the Genetic Message
 - 18 Gene Technology
- Part VI Evolution
 - 19 Genes Within Populations
 - 20 The Evidence for Evolution
 - 21 The Origin of Species
 - 22 How Humans Evolved
- Part VII Ecology
 - 23 Population Ecology
 - 24 Community Ecology
 - 25 Dynamics of Ecosystems
 - 26 The Biosphere
 - 27 The Future of the Biosphere
- Part VIII Viruses & Simple Organisms
 - 28 How We Classify Organisms
 - 29 Viruses
 - 30 Bacteria
 - 31 Protists
 - 32 Fungi
- Part IX Plant Form & Function
 - 33 Evolutionary History of Plants
 - 34 Vascular Plant Structure
 - 35 Transport in Plants
 - 36 Plant Nutrition
- Part X Plant Growth & Development
 - 37 Plant Reproduction
 - 38 Plant Development
 - 39 Plant Growth and Regulation
 - 40 Plant Molecular Biology

ANIMATIONS

List of Animations

- Ch 2 Atomic Structure
- Ch 2 Covalent Bond
- Ch 2 Ionic Bond
- Ch 3 & 14 DNA Structure
- Ch 6 Osmosis
- Ch 6 Active Transport
- Ch 6 Exo/Endocytosis
- Ch 8 Energy Conversion
- Ch 8 Feedback Inhibition
- Ch 9 Electron Transport Chain
- Ch 10 Photosynthesis Light Dependent
- Ch 10 Photosynthesis Light Independent
- Ch 11 Mitosis
- Ch 12 Meiosis
- Ch 14 DNA Replication
- Ch 14 DNA Packaging
- Ch 15 Transcription
- Ch 15 Translation
- Ch 15 Polyribosomes
- Ch 16 Lac Operon Regulation
- Ch 16 Trp Operon Regulation
- Ch 17 Mutations
- Ch 18 Polymerase Chain Reaction (PCR)
- Ch 19 Hardy-Weinberg Equilibrium
- Ch 20 Molecular Clock
- Ch 23 Exponential Growth
- Ch 25 Carbon Cycle
- Ch 26 Rainshadow Effect
- Ch 27 Global Warming
- Ch 27 Ozone Layer Depletion
- Ch 27 El Niño Southern Oscillation
- Ch 34 Vascular System in Plants
- Ch 35 Effects of Water Movement in Plants
- Ch 45 Transition to Land
- Ch 45 Evolution of the Jaw
- Ch 47 Striated Muscle Contraction
- Ch 47 Actin/Myosin Crossbridges
- Ch 48 Digestion (Mouth to Stomach)
- Ch 48 Digestion (Stomach)
- Ch 48 Digestion (Stomach to Small Intestine)
- Chs 48 & 53 Glucose Regulation
- Ch 49 Lymphatic System
- Ch 50 Breathing
- Ch 50 Respiration
- Ch 50 Hemoglobin
- Ch 51 Action Potential
- Ch 51 Reflex Arc
- Ch 52 Sense of Smell
- Ch 52 Sense of Hearing
- Ch 53 Endocrine System Regulation
- Ch 53 Peptide Hormone Action
- Chs 54 & 13 ABO Blood Type
- Ch 54 Phagocytic Cells
- Ch 54 Fever
- Ch 54 Clonal Selection
- Ch 54 T Cell Function
- Ch 54 Vaccination
- Ch 55 Kidney Function
- Ch 55 Kidney Function (detailed)
- Ch 56 Menstruation

- Part XI Animal Diversity
 - 41 The Noncoelomate Animals
 - 42 Mollusks and Annelids
 - 43 Arthropods
 - 44 Echinoderms
 - 45 Vertebrates
- Part XII Animal Form & Function
 - 46 Organization of the Animal Body
 - 47 Locomotion
 - 48 Fueling Body Activities: Digestion
 - 49 Circulation
 - 50 Respiration
- Part XIII Regulating the Animal Body
 - 51 The Nervous System
 - 52 Sensory Systems
 - 53 The Endocrine System
 - 54 The Immune System
 - 55 Maintaining Homeostasis
- Part XIV Animal Reproduction, Development & Behavior
 - 56 Sex and Reproduction
 - 57 Cellular Mechanisms of Development
 - 58 Vertebrate Development
 - 59 Animal Behavior
 - 60 Behavioral Ecology

System Requirements

PC:

- Pentium CPU
- Windows 95 or 98
- 32 MB RAM
- 100 MB free hard disk space
- 800 x 600 monitor resolution
- 16 bit high-color
- 12X CD-ROM drive (recommended) or DVD-ROM drive
- 28.8K modem to connect to the VersabookStore and other online components.

Macintosh:

- Macintosh Power PC- Mac OS 8.1 or later version
- 32 MB RAM - 220 MB free hard disk space
- 800 x 600 monitor resolution
- Color depth: Thousands or better
- 6X CD-ROM drive
- 28.8K modem or faster to connect to register



Contact your McGraw-Hill sales representative for more information or visit www.mhhe.com.