

Living Environment Regents- Units of Study

1. *Scientific Inquiry and Laboratory Skills*

Microscopes
Lab Safety
Scientific Method
Interpreting Graphs

2. *Organization of Life*

Characteristics of life
Biochemistry
Cell Structure
Cells and their Environment
Single and Multi-cellular organisms

3. *Reproduction and Development*

Types of Reproduction
Cell Division
Technology of Reproduction

4. *Genetics*

Heredity
Structure of DNA/RNA
How a Gene becomes a Protein
Genetic Engineering

5. *Evolution*

Theory of Evolution
Mechanisms of Evolution
Patterns of Evolution

6. Ecology

Biodiversity

Organisms in their Environment

Structure of Ecosystems

Energy flow in Ecosystems

7. Human Impact on the Environment

Positive effects of Humans on the Environment

Negative effects of Human on the Environment

8. Homeostasis

Feedback

Human Body Systems

Disease

Human Reproduction

Click the following links to access the online textbook

CHAPTER 1 (*What is Biology*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap01.pdf>

CHAPTER 2 (*Principles of Ecology*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap02.pdf>

CHAPTER 3 (*Communities and Biomes*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap03.pdf>

CHAPTER 4 (*Population Biology/Population Dynamics*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap04.pdf>

CHAPTER 5 (*Biological Diversity and Conservation*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap05.pdf>

CHAPTER 6 (*The Chemistry of Life*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap06.pdf>

CHAPTER 7 (*A View of the Cell*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap07.pdf>

CHAPTER 8 (*Cellular Transport and the Cell Cycle - Mitosis*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap08.pdf>

CHAPTER 9 (*Energy In A Cell - ATP, Photosynthesis, and Cellular Respiration*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap09.pdf>

CHAPTER 10 (*Mendel's Laws of Heredity - Punnett Squares, Meiosis*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap10.pdf>

CHAPTER 11 (*DNA and Genes*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap11.pdf>

CHAPTER 12 (*Patterns of Heredity and Human Genetics*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap12.pdf>

CHAPTER 13 (*Genetic Technology*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap13.pdf>

CHAPTER 14 (*The History of Life*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap14.pdf>

CHAPTER 15 (*The Theory of Evolution*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap15.pdf>

CHAPTER 16 (Primate Evolution) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap16.pdf>

CHAPTER 17 (*Organizing Life's Diversity: Classification*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap17.pdf>

CHAPTER 18 (*Viruses and Bacteria*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap18.pdf>

CHAPTER 19 (*Protists*) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap19.pdf>

CHAPTER 20 (Fungi) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap20.pdf>

CHAPTER 21 (What is a Plant?) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap21.pdf>

CHAPTER 22 (The Diversity of Plants) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap22.pdf>

CHAPTER 23 (Plant Structure and Function) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap23.pdf>

CHAPTER 24 (Reproduction in Plants) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap24.pdf>

CHAPTER 25 (What is an Animal?) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap25.pdf>

CHAPTER 26 (Sponges, Cnidarians, Flatworms & Roundworms) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap26.pdf>

CHAPTER 27 (Mollusks and Segmented Worms) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap27.pdf>

CHAPTER 28 (Arthropods) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap28.pdf>

CHAPTER 29 (Echinoderms and Invertebrate Chordates) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap29.pdf>

CHAPTER 30 (Fishes and Amphibians) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap30.pdf>

CHAPTER 31 (Reptiles and Birds) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap31.pdf>

CHAPTER 32 (Mammals) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap32.pdf>

CHAPTER 33 (Animal Behavior) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap33.pdf>

CHAPTER 34 (Protection, Support and Locomotion) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap34.pdf>

CHAPTER 35 (The Digestive and Endocrine Systems) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap35.pdf>

CHAPTER 36 (The Nervous System) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap36.pdf>

CHAPTER 37 (Respiration, Circulation and Excretion) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap37.pdf>

CHAPTER 38 (Reproduction and Development) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap38.pdf>
[?](#)

CHAPTER 39 (Immunity from Diseases) <http://www.glencoe.com/sec/science/ose/bdol2005/ca/docs/chap39.pdf>