

Biology Scope and Sequence

1. Introduction
2. The Composition and Chemistry of Life
3. Basic Biochemistry of the Molecules of Life
4. Introduction to the Cell and Cell Membrane
5. The Cell Interior and Function
6. Metabolism Overview and Enzymes
7. Photosynthesis
8. Cellular Respiration
9. DNA, RNA, and Proteins
10. Cell Reproductions: Mitosis
11. Organism Reproduction: Binary Fission, Budding, and Meiosis
12. Genes and Heredity
13. Inheritance Patterns
14. Genetic Variation
15. Human Genetics
16. DNA Technology
17. The Origin of Life and the Fossil Record
18. Evolution and Creation: Principles and Evidence
19. Speciation and Adaptation
20. Biological Classification and Viruses
21. Kingdom Eubacteria and Archaeobacteria
22. Kingdom Protista
23. Kingdom Fungi
24. Plants: Introduction, Structure, and Function
25. Plants: Physiology, Reproduction, and Classification
26. Kingdom Animalia I
27. Kingdom Animalia II
28. Kingdom Animalia III
29. Kingdom Animalia IV
30. Human Anatomy and Physiology I: Nervous System and Special Senses
31. Human Anatomy and Physiology II: Immunologic, Endocrine, and Excretory Systems
32. Human Anatomy and Physiology III: Circulatory and Respiratory Systems
33. Human Anatomy and Physiology IV: Digestive, Musculoskeletal/Connective Tissue, and Integumentary Systems
34. Ecology