Concepts of Biology is designed for the typical introductory biology course for nonmajors, covering standard scope and sequence requirements. The text includes interesting applications and conveys the major themes of biology, with content that is meaningful and easy to understand. The book is designed to demonstrate biology concepts and to promote scientific literacy.

• 1: Introduction to Biology

• 2: Chemistry of Life
3: Cell Structure and Function

4: How Cells Obtain Energy

5: Photosynthesis

6: Reproduction at the Cellular Level
7: The Cellular Basis of Inheritance

- 8: Patterns of Inheritance

- 9: Molecular Biology

- 10: Biotechnology
11: Evolution and Its Processes

12: Diversity of Life

13: Diversity of Microbes, Fungi, and Protists

14: Diversity of Plants
19: Population and Community Ecology

- 20: Ecosystems and the Biosphere

- 21: Conservation and Biodiversity

*Thumbnail: Monarch butterfly (Danaus plexippus), Central Park, New York, USA. Image used with permission CC-BY-SA; 3.0; Spinus Nature Photography ([Spinusnet](http://Spinusnet)).*