biological structure and function. What are the key components of life? How do cells differ in their structure and function? How do organisms grow and develop? What is the role of genetics in biological processes? What are the functions of the major organ systems in the human body? How do biological processes differ in prokaryotes and eukaryotes? How do sexual and asexual reproduction occur? How do organisms adapt to their environment? How do biological processes change over time?

The third section focuses on biological processes and systems. What is the role of energy in biological systems? How do organisms obtain and use energy? What are the major energy conversion processes in living organisms? How do organisms obtain and use nutrients? What are the processes of digestion, absorption, and excretion? How do organisms respond to environmental stimuli? What are the processes of communication and coordination in multicellular organisms? How do organisms respond to changes in their environment? How do organisms adapt to their environment over time?

The fourth section examines the diversity of life. What are the major groups of organisms? How do organisms differ in their evolutionary history? How do organisms differ in their ecological roles? How do organisms interact with each other and with their environment?

The fifth section explores the impact of biological processes on human health. What are the major diseases and disorders? How do biological processes contribute to the development of diseases? How do biological processes contribute to the maintenance of health? How do biological processes contribute to the treatment and prevention of diseases?

The sixth section examines the role of biology in society. What are the major ethical issues associated with biology? How do biological processes affect our understanding of the natural world? How do biological processes affect our daily lives? How do biological processes affect our future? How do biological processes affect our society and our world?