

MJC Biology 111

Text: Starr, Cecie, *Biology, Concepts and Applications* - 6th edition
(ISBN-paper 0-495-18835-2, hard cover 0-495-18836-0)

Always read the introduction paragraphs and the Key Concepts.

Always read the summary. It is good to read the summary before the main text of the chapter to get you a bit acquainted with the topics in the chapter.

Always look at all photos, graphs, charts, tables and diagrams and read the captions. These emphasize or illustrate the important points of the text. There is often a summary table at the end of the chapter which is quite helpful.

Chapter 1: Invitation to Biology. Read the entire chapter

Chapter 2: Life's Chemical Basis. 2.1, 2.2, 2.3, 2.4, 2.5, 2.6

Chapter 3: Molecules of Life: 3.1, 3.3, 3.4, 3.5, 3.6, 3.7

Chapter 4: How Cells Are Out Together: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9

Chapter 5: How Cells Work: 5.1, 5.2, 5.3, 5.4, 5.5, 5.7

Chapter 7: How Cells Release Chemical Energy: 7.1, 7.7

Chapter 8: How Cells Reproduce: 8.1, 8.2, 8.3, 8.4

Chapter 9: Meiosis and Sexual Reproduction: 9.1, 9.2, 9.3, 9.4, 9.5

Chapter 10: Observing Patterns In Inherited Traits: 10.1, 10.2, 10.3, 10.4, 10.5, 10.6

Chapter 11: Chromosomes and Human Genetics: 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9

Chapter 12: DNA Structure and Function: 12.1, 12.2, 12.3, 12.5,

Chapter 13: From DNA to Proteins: 13.1, 13.2, 13.3, 13.4,

Chapter 16: Processes of Evolution: 16.1, 16.2, 16.3, 16.4, 16.5, 16.6, 16.7, 16.8, 16.9, 16.10, 16.11

Chapter 17: Evolutionary Patterns, Rates and Trends: 17.1, 17.2, 17.3, 17.4, 17.5, 17.6, 17.7, 17.8, 17.9, 17.10, 17.11, 17.12

Chapter 20: The Simplest Eukaryotes - Protists and Fungi 20.6, 20.7, 20.8, 20.9, 20.10, 20.11, 20.12

Chapter 21: Plant Evolution: 21.1, 21.2, 21.3, 21.4, 21.5, 21.6, 21.7, 21.8

Chapter 22: Animal Evolution - the Invertebrates: 22.1, 22.2, 22.3, 22.4, 22.5, 22.6, 22.7, 22.8, 22.9, 22.10, 22.11, 22.12, 22.13,

Chapter 23: Animal Evolution - the Vertebrates: 23.1, 23.2, 23.4, 23.5, 23.6, 23.7, 23.8, 23.9, 23.10, 23.11, 23.12

These reading assignments may change.

