

MJC Biology 111

Text: Starr, Cecie, *Biology, Concepts and Applications* (ISBN 0534385494)

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: Concepts and Methods in Biology. Entire chapter

Chapter 2: Chemical Foundations for Cells. 2.1, 2.3, 2.4, 2.5, 2.6.

Chapter 3: Carbon Compounds in Cells. 3.1, 3.2, 3.3, 3.4, 3.5, 3.6

Chapter 4: Cell Structure and Function. 4.1, 4.2, 4.4, 4.6, 4.7, 4.8, 4.9, 4.10, 4.12

Chapter 5: Ground Rules of Metabolism. 5.1, 5.2, 5.4, 5.5, 5.9

Chapter 8: Cell Division and Mitosis. 8.1, 8.2, 8.3

Chapter 9: Meiosis. 9.1, 9.2, 9.3, 9.4, 9.6

Chapter 10: Observable Patterns of Inheritance. 10.1, 10.2, 10.3, 10.4, 10.5, 10.6,

Chapter 11: Chromosomes and Human Genetics. 11.1, 11.2, 11.3, 11.5, 11.8, 11.9, 11.10

Chapter 12: DNA Structure and Function. 12.2, 12.3, 12.4, 12.5

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

Chapter 16: Microevolution. 16.1, 16.2, 16.3, 16.4, 16.6, 16.7, 16.10, 16.11

Chapter 17: Speciation. 17.1, 17.2, 17.4

Chapter 18: The Macroevolution Puzzle. 18.1, 18.2, 18.3, 18.4, 18.5, 18.6, 18.7

Chapter 20: Prokaryotes, Viruses, and Protists. 20.1, 20.3, 20.4, 20.5, 20.11, 20.13, 20.14

Chapter 21: Fungi. 21.1, 21.2, 21.4, 21.5

Chapter 22: Plants. 22.1, 22.3, 22.4, 22.5, 22.6, 22.7, 22.8, 22.9

Chapter 23: Animals: the Invertebrates. 23.1, 23.3, 23.4, 23.5, 23.6, 23.9, 23.10, 23.11, 23.12, 23.13, 23.14, 23.15, 23.16

Chapter 24: Animals: The Vertebrates. 24.1, 24.1, 24.3, 24.5, 24.6, 24.7, 24.8, 24.9, 24.10, 24.11

These reading assignments may change.