

Reading assignments for Biology: Concepts and Applications, 7th edition*

The chapters may not be studied in order. From the class calendar you can determine which chapters will be studied and the order of presentation.

If it is on this list you are expected to learn it.

Chapter 1: An introductory chapter that you should read for background.

Pages 4 & 5 Levels of organization

1.2, 1.3, 1.4, 1.5, 1.6,

Chapter 2: Principles of Cellular Life

2.1, 2.2, 2.3, 2.4, 2.5, 2.6,

Chapter 3: Molecules of Life

3.1, 3.2, 3.3, 3.4, 3.5, 3.6, summary chart pg 48,

Chapter 4: Cell Structure and Function

4.1, 4.2, 4.3, 4.4, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, summary chart pg 71

Chapter 5: Ground rules of Metabolism

This chapter will not be stressed but it is strongly suggested that you read the chapter for background information

5.3, 5.4, **5.5**,

Chapter 6: Photosynthesis

This chapter will not be stressed. Just look it over.

Chapter 7: How Cells Release Chemical Energy

Not stressed

Chapter 8: How Cells Reproduce – **Very important in this class**

8.1, **8.3**, 8.4, really pay attention to the diagrams in this chapter

Chapter 9: Meiosis and Sexual Reproduction – **Very important in this class**

9.1, 9.2, 9.3, 9.4, 9.5, 9.6,

Chapter 10: Observing Patterns in Inherited Traits – **Very important in this class**

10.1, 10.2, 10.3, 10.4, 10.5, 10.6

Chapter 11: Chromosomes and Human Inheritance – **Very important in this class**

11.1, 11.2, 11.4, 11.5, 11.6, 11.7, 11.8

Chapter 12: DNA Structure and Function – **Very important in this class**

12.1, 12.2, 12.3, 12.5,

Chapter 13: From DNA to Protein – **Very important in this class**

13.1, 13.2, 13.3, 13.4, 13.5,

Chapter 16: Evidence of Evolution – **Very important in this class**

16.1, 16.2, 16.3, 16.4, 16.5, 16.6, 16.7, 16.7, 16.8, 16.9, 16.10,

Chapter 17: Processes of Evolution

17.1, 17.2, 17.3, 17.4, 17.5, 17.6, 17.7, 17.8, 17.9,

Chapter 21: Plant Evolution

21.1, 21.2, 21.3, 21.5, 21.6, 21.7, 21.8,

Chapter 22: Fungi – look at photos and read captions

Chapter 23: Animal Evolution – The invertebrate

23.1, 23.3, 23.4, 23.5, 23.6, 23.7, 23.9, 23.10, 23.11, 23.12, 23.14,

Chapter 24: Animal Evolution – The Vertebrates

24.1, 24.2, 24.3, 24.4, 24.8, 24.9, 24.10, 24.11, 24.12, 24.13,

Chapter 26: Plant Tissue – **only parts of this chapter are important**

26.1, 26.2, look at photos and read captions

Chapter 28: Plant Reproduction and Development

28.1, 28.2

*Note to students with 5th and 6th editions. Match up the chapters and chapter sections with the reading assignments for edition 7.