

Summer Review Reading AP Biology 10/11



In preparation for your yearlong course of AP Biology, you will review selected portions from Chapters 1–4 of your textbook. These chapters provide context for an advanced study of Biology and review of fundamental scientific concepts that will support your learning as we explore new concepts in depth.

While you are welcome to study the entire contents of each chapter, please specifically focus on the items listed below. *As always*, please take notes on each section you read. I am also asking that you NOW start making vocabulary flashcards for each chapter. These cards are to be made up with those vocabulary terms which are written in bold letters in the text on one side of the flashcard and a brief definition of the term on the other side of the card. We will be having weekly quizzes covering vocabulary terms from the reading.

Chapter 1: Exploring Life

- Read pages 2 – 27.
- Study Figure 1.2 – some of the shared properties of living organisms
- Study Figure 1.3 – the hierarchical organization of biology
- Study Table 1.1 – unifying themes in biology

Chapter 2: The Chemical Context of Life

- Read from pg. 32 – the end of the chapter.
- Study Table 2.1
- Study Figure 2.8

Chapter 3: Water and the Fitness of the Environment

- Read from pg. 47 to p. 55 – stop at Acid Precipitation
- Study Figure 3.8

Chapter 4: Carbon and the Molecular Diversity of Life

- Read the entire Chapter
- Study Figure 4.5 – Variations of carbon skeletons
- Study Figure 4.7 – Three types of isomers
- Study Figure 4.10 – Some Important Functional Groups of Organic Compounds

Once you have completed this reading, and making your flash cards, you can complete the Concept Review worksheet.