

AP Biology Summer Assignment 2016/2017 school year

Chapter 1

Students need to read Chapter 1 and write at least three pages of notes for chapter 1. If you do not understand something within this chapter, I can help you with tutoring sessions. Within each chapter there are sections which are referred to as Concept 1.1 or Concept 1.2 etc. At the end of each Concept, complete the concept checks to check your understanding for each Concept section. Complete the self quiz at the end of the chapter. Once the concept checks and self quiz is complete, go to Appendix A in the back of the textbook and check your answers. Correct the concept checks if necessary, but if you answered the self quiz questions wrong just mark them as wrong so that I can see where you are in your understanding of the chapter. Place down the amount of questions you got correct and wrong. Ex) 8/10.

Vocabulary needs to be memorized. You can highlight the bold faced words within your notes as long as the definition is included in the notes. Any bold faced words not included in your notes needs to be written out on a separate piece of paper or make flash cards. The choice is yours. You will be tested on the vocabulary.

Chapter 2

Complete this chapter in the same format as chapter 1. At least three pages of notes, complete concept checks and self quiz. Correct concept checks and self quiz by using Appendix A. Most of this chapter should be a review from Chemistry, and again if you don't understand a concept or explanation I can help during tutoring.

Vocabulary needs to be memorized. You can highlight the bold faced words within your notes as long as the definition is included in the notes. Any bold faced words not included in your notes needs to be written out on a separate piece of paper or make flash cards. The choice is yours. You will be tested on the vocabulary.

Chapter 3

Complete this chapter in the same format as chapter 1 and 2.

In addition, you need to memorize the four emergent properties of water within Concept 3.2 Cohesion, Moderation of temperature, Insulation of Bodies of water by Floating Ice and The Solvent of Life. Be able to give examples and explain each emergent property for water.

Vocabulary needs to be memorized. You can highlight the bold faced words within your notes as long as the definition is included in the notes. Any bold faced words not included in your notes needs to be written out on a separate piece of paper or make flash cards. The choice is yours. You will be tested on the vocabulary.

Chapter 4

Complete this chapter in the same format as chapter 1 and 2.

Memorize the functional groups on page 65. Only memorize the name, the structure by being able to recognize the structure. Memorize these properties. For example Carboxyl is acidic because it is a source

of hydrogen ions. These memorized functional properties will help you understand how molecules function within living organisms.

Vocabulary needs to be memorized. You can highlight the bold faced words within your notes as long as the definition is included in the notes. Any bold faced words not included in your notes needs to be written out on a separate piece of paper or make flash cards. The choice is yours. You will be tested on the vocabulary.

Chapter 5

Complete this chapter in the same format as chapter 1 and 2.

Memorize the four macromolecules and be able to explain the properties of each one. The four macromolecules are Carbohydrates, Lipids, Proteins and Nucleic Acids. Pages 69 – 89.

Concentrate on learning the primary, secondary, tertiary and quaternary structures of a protein on pages 82-83.

Vocabulary needs to be memorized. You can highlight the bold faced words within your notes as long as the definition is included in the notes. Any bold faced words not included in your notes needs to be written out on a separate piece of paper or make flash cards. The choice is yours. You will be tested on the vocabulary.

After chapter 5 is complete, the format for notes will change. The textbook will be copied so that you can use them for notes, vocabulary, etc.

Optional for extra credit

Chpt 6 Is optional for extra credit.

.Complete this chapter in the same format as chapter 1 and 2 for extra credit.

Memorize the structures and functions of all the structures within the cell on page 100-101. If the explanations are not on these pages, you can find the explanations within chapter 6.

Vocabulary needs to be memorized. You can highlight the bold faced words within your notes as long as the definition is included in the notes. Any bold faced words not included in your notes needs to be written out on a separate piece of paper or make flash cards. The choice is yours. You will be tested on the vocabulary.

Vocabulary

After chapter 5 is complete, we will have copies of the textbook for you to use as notes, vocabulary etc. For the vocabulary, all you have to do is highlight the bold faced word and the definition and memorize the meaning of the word. You may still write the vocabulary out on a separate piece of paper or place them on flash cards if you choose to, but you don't have to. Remember, this is only for those chapters after chapter 5.