

Honors Anatomy and Physiology
Tiverton High School
Summer Assignment 2017-2018

Instructor: Ms. Elkins

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Textbook: Marieb, Elaine. *Essentials of Human Anatomy & Physiology, 9e.*

Summer Assignment #1: Notes

Read the first chapter in the textbook, *Chapter 1: The Human Body: An Orientation*, and take notes using the provided outline. You are not responsible and do not need to take notes for the section "Regional Terms" that have been crossed out. In this course, we take hand-written notes before we cover material in class. This exposes you to the content beforehand, and greatly increases knowledge retention and assessment performance. *Note: Your notes must be hand-written for credit, and notes during the school year will be assigned in smaller sections for appropriate pacing in class.*

Summer Assignment #2: Chapter 1 Essay

On a separate sheet of paper, answer the following essay prompts (see pages 12-13 of the textbook for reference):

- a. What is homeostasis? Explain the roles of each element of a homeostatic control mechanism.
- b. Explain the similarities and differences between "positive" and "negative" feedback mechanisms in regulating homeostasis in the body. Also, describe one example of each mechanism that is used in the body to regulate homeostasis.

Summer Assignment #3: Chapter 3 Reading and Review Questions

We will not cover chapter 3 in class, but you are required to know and apply this information throughout the entire course. You do not need to take notes on this chapter, but you must read this section thoroughly and answer the chapter review questions at the end. Any questions or misconceptions you may have on this content will be addressed before we move on to chapter 4.

On a separate sheet of paper, complete the chapter review questions on pages 106-108 of the textbook, numbers 1, 6-13, 20-22, 26, 28-36, and 38-40.

Due Date: All three assignments are due, handwritten, either on separate sheets of paper or in a notebook, in the THS Main Office no later than FRIDAY AUGUST 18th. This assignment will count as 10% of your quarter 1 grade.

Have a great summer and I look forward to seeing you this fall! ☺