



# Anatomy & Physiology

## UNIT 1 Calendar:

### Chapter 1 - The Human Body: An Orientation

### Chapter 2 – Basic Chemistry

Name \_\_\_\_\_

Teacher \_\_\_\_\_ Period \_\_\_\_

Date \_\_\_\_\_

#### Objectives

1. Analyze the body processes that maintain homeostasis:
  - A. Define homeostasis and explain its importance.
  - B. Define negative feedback and describe its role in maintaining body homeostasis.
  - C. Define positive feedback and explain why it usually causes homeostatic imbalance. Also note specific situations in which it contributes to homeostasis, or normal body function.
  - D. Describe the relationship between homeostatic imbalance and disease.
  - E. List survival needs of the body.
2. Compare and contrast anatomical structures to physiological functions.
  - A. Define anatomy and physiology and describe their subdivisions.
  - B. Explain how anatomy and physiology are related.
3. Describe the relationships that occur in the hierarchy of structural organization of the human body.
  - A. List the organ systems of the body and briefly explain the major function(s) of each system.
  - B. Analyze terminology associated with human anatomy and physiology by recognizing common prefixes, suffixes, roots and abbreviations.
  - C. Describe the anatomical position.
  - D. Use correct anatomical terminology to describe body directions, regions and body planes or sections.
  - E. Locate and name the major body cavities and their subdivisions, and list the major organs in each cavity or subdivision.
  - F. Name the nine regions or four quadrants of the abdominopelvic cavity and list the organs they contain.
4. Analyze and explain the chemical reactions that provide energy for the body.
5. Utilize safe and proper lab techniques.

<b>Day</b>	<b>Date</b>	<b>Lesson</b>	<b>Homework</b>
Wed	8/9	Course Information Personal Data Sheet Safety Agreement Dissection Agreement <b>Activity:</b> Get To Know Ya Bingo	-Complete Personal Data Sheet -Sign (Student and Guardian) Safety Agreement/Dissection Agreement
Thu	8/10	<b>Activity:</b> MSDS <b>Project:</b> Book Review	
Fri	8/11	<b>Lab:</b> Scientific Method – Thumb Wrestling	
Mon	8/14	Assign textbooks <b>Lab:</b> Microscopy (Blue Lab Manual)	<b>Homework:</b> Read Chapter 1 pages 1-9 Answer Short Essay Questions 1-4 Due: TBA by teacher
Tue	8/15	<b>Notes:</b> Chapter 1 (Overview, Organization, Maintaining Life)	<b>Homework:</b> Bring in stuffed animal Due: 8/18
Wed	8/16	<b>Notes:</b> Chapter 1 (Homeostasis, Language of Anatomy) <b>Lab:</b> Draw Your Own Human	<b>Homework:</b> Read Chapter 1 pages 9-17 Answer Short Essay Questions 5-11 Due: TBA by teacher
Thu	8/17	Continue Draw Your Own Human lab	
Fri	8/18	<b>Lab Practical</b> (with stuffed animal)	
Mon	8/21	<b>TEST: CHAPTER 1</b>	<b>Homework:</b> Read Chapter 2 pages 35-43 (If you need a basic chemistry review, you can read pages 22-35) Answer Short Essay Questions 16-23 Due: TBA by teacher
Tue	8/22	<b>Notes:</b> Chapter 2 (Chemical Reactions, Biochemistry) Work on Book Review	<b>Homework:</b> Read Chapter 2 pages 43-50 Answer Short Essay Questions 24-29 Due: TBA by teacher
Wed	8/23	<b>Notes:</b> Chapter 2 (Biochemistry)	
Thu	8/24	<b>Lab:</b> Chemical Reactions of the Body	
Fri	8/25	<b>QUIZ: CHAPTER 2</b>	

