



**HONORS ANATOMY AND  
PHYSIOLOGY  
CHAPTER 1  
THE HUMAN BODY:  
AN ORIENTATION**

Chapter Preview - This chapter first defines and contrasts anatomy and physiology and discusses the levels of organization complexity in the human body. The needs and functional processes common to all living organisms are reviewed. Three essential concepts - complementarity of structure and function, hierarchy of structural organization, and homeostasis - will form the bedrock for the study of the human body and will provide the unifying threads for the topics in this course. The final section will present the language of anatomy - the terminology "tools" that are used to describe the body or its parts.

## **I. Overview of Anatomy and Physiology**

- A. Introduction
- B. Topics of Anatomy
- C. Topics of Physiology

## **II. Discuss the Hierarchy of Structural Organization**

- A. Levels of Structural Hierarchy
- B. Summary of Body Organ Systems

## **III. Maintenance of Life**

- A. Functional Characteristics
- B. Survival Needs

## **IV. Homeostasis**

- A. Introduction
- B. General Characteristics of Control Mechanisms
- C. Negative Feedback Mechanisms
- D. Positive Feedback Mechanisms
- E. Homeostatic Imbalance

## **V. The Language of Anatomy**

- A. Anatomical Position and Directional Terms
- B. Regional Terms
- C. Body Planes and Sections
- D. Body Cavities and Membranes
- E. Abdominopelvic Regions and Quadrants

**Prefix Quiz dates:**

September 14<sup>th</sup> Students **A-G quizzed on 1-25**

September 17<sup>th</sup> Students **H-Z quizzed on 76-100**

September 22<sup>nd</sup> Students **A-G quizzed on 26-50**

September 24<sup>th</sup> Students **H-Z quizzed on 51-75**

September 28<sup>th</sup> Students **A-G quizzed on 51-75**

October 1<sup>st</sup> Students **H-Z quizzed on 26-50**

October 5<sup>th</sup> Students **A-G quizzed on 76-100**

October 8<sup>th</sup> Students **H-Z quizzed on 1-25**

**Test on Chapter 1**

**A-G Tentatively September 21<sup>st</sup>**

**H-Z Tentatively September 24<sup>th</sup>**

**Packets due day of Test!**