

Anatomy and Physiology I

Learning Guide: Organization of the Human Body

Overview – This introductory unit will begin to lay a foundation of essential concepts and vocabulary needed to continue discussions in Anatomy and Physiology and beyond. The introduction will involve learning to navigate the body in preparation for writing medical reports and communicating with other medical people. We will also look at how feedback systems operate to maintain homeostasis, trigger physiological events, and perform a basic primer on body energetics.

Learning Objectives

- Explain what the "life processes" are. There will be some focused attention on the life process of metabolism.
- Illustrate both negative and positive feedback systems and provide examples of both.
- Identify all body regions and their locations relative to the anatomical position.
- Identify and describe the anatomical characteristics of the major body cavities and their importance in physiology.

Getting Started - It is important to make your approach to the content visual. To this end, visual resources will be found in the following:

- **Lecture Outline** – The [lecture outline](#) will provide a framework for accessing the required content and for note-taking purposes. It will also provide illustrations presented during lectures, whether in class or on video.
- **Handouts** – Beyond this, special handouts give expanded explanations of key concepts or issues that may be more complex. You will want to have the handouts in hand before you begin considering the content.
- **Videos** – [Videos](#) will walk you through all the material and explain vocabulary and physiological concepts.
- **Textbook** - Your textbook is an excellent tool to fill in any holes in your understanding. Having your text open as you work with the material is a good idea.

As you work through the material, make your approach visual.

You will find that almost everything in the course can be depicted visually and aurally. And a good visual can go a long way in explaining complex concepts.

Exam – In preparation for the exam, the entire presented content should be mastered. Below are a few points:

- Know the negative and positive feedback system diagrams well.
- There will be a guided essay on examples of these feedback systems. This is explained in the videos.
- Know all vocabulary well and where appropriate what are the physiological issues associated with it.
- There will be plenty of fill-in-the-blank questions, as well as other types.

Exam Administration – Variations in exam administration depend upon exam modality

- **In-class Exam** – Be able to illustrate the negative feedback illustration
- **Blackboard Exam** – Know the illustration on negative feedback illustration

Final Point – You will discover that this lecture and the next three lectures will build a foundation upon which the rest of your studies in Anatomy and Physiology I and II will rest. If the foundation is strong, future studies will go better. Do have a working knowledge of what is presented. You would like to be able to talk with understanding. This will take significant study time.