

## The Human Body: An Orientation

### Required:

1. Define the terms anatomy and physiology; list and describe the subdivisions of these two areas of study
2. Be able to list the levels of organization in ascending or descending order. Be able to briefly describe each level and its relationship to the others
3. Explain the concept of homeostasis
4. Describe the general components of a homeostatic control mechanism and be able to discuss a specific example
5. Differentiate between positive and negative feedback loops
6. Explain with a complete example the use of a negative feedback loop in the regulation of a homeostatic condition in the human body
7. Name the five body cavities. Classify them as dorsal or ventral and describe their locations and boundaries. List one or two organs found in each cavity.
8. Define the terms: pleural cavity, pericardial cavity, and peritoneal cavity. Explain how they differ from the main body cavities described in the above objective.
9. Define the following pairs of directional anatomy terms and be able to use them to describe locations of structures in the body:
  - anterior vs. posterior
  - ventral vs. dorsal
  - inferior vs. superior
  - deep vs. superficial
  - lateral vs. medial
  - distal vs. proximal
  - caudal vs. cranial or cephalic
10. Name and locate on the body all the regional terms from page \_\_\_ of the text.
11. Define the following common planes of section: give examples of each
  - transverse
  - sagittal/mid-sagittal
  - frontal/coronal
12. Name the body systems and list several member organs found in each system. Describe the function or role of each system