

Name _____ Period ____ Date: _____

Ms. Randall Anatomy & Physiology

Overview of Anatomy & Physiology: How much do you already know?

Fill in the blanks with the correct terms using the following word bank:

Physiology, Homeostasis, Metabolism, Anatomy

1. _____ The branch of biological science that studies and describes how body parts work or function.
2. _____ The study of the shape and structure of body parts.
3. _____ The tendency of the body's systems to maintain a relatively constant or balanced internal environment.
4. _____ The term that indicates *all* chemical reactions occurring in the body.

5. The structures of the body are organized into successively larger and more complex structures. Fill in the blanks using your own knowledge with the correct terms for these structures.

Chemicals → _____ → _____ → _____ →
_____ → Organism

6. Circle the term that does not belong in each of the following groupings:

a. atom cell tissue alive organ

b. brain stomach heart liver epithelium

c. epithelium heart muscle tissue nervous tissue connective tissue

d. human digestive system horse pine tree amoeba

7. Identify the organ systems to which the following organs or function belong using the word bank below. Terms may be used more than once.

Digestive, Excretory/Urinary, Skeletal, Integumentary, Immune/Lymphatic, Nervous, Muscular, Endocrine, Circulatory, Respiratory, Reproductive,

- a. _____ Rids the body of nitrogen-containing wastes
- b. _____ Is affected by the removal of the thyroid gland
- c. _____ Provides support and levers on which the muscular system can act
- d. _____ Protects underlying organs from drying out and mechanical damage
- e. _____ Protects the body; destroys bacteria and tumor cells
- f. _____ Breaks down foodstuffs into small particles that can be absorbed
- g. _____ Removes carbon dioxide from the blood
- h. _____ Delivers oxygen and nutrients to the body tissues
- i. _____ Move the limbs; allows facial expression
- j. _____ Conserves body water or eliminates excesses
- k. _____ Provides for conception and childbearing
- l. _____ Controls the body with chemicals called hormones
- m. _____ Is damaged when you cut your finger or get a severe sunburn.
- n. _____ Blood vessels, heart
- o. _____ Pancreas, pituitary, adrenal glands
- p. _____ Kidneys, bladder, ureters
- q. _____ Testis, vas deferens, urethra
- r. _____ Esophagus, large intestine, rectum
- s. _____ Breastbone, vertebral column, skull
- t. _____ Brain, nerves, sensory receptors