

Anatomy and Physiology

Name:

Date:

Answer the questions in the blank space!

1. What is the primary function of mitochondria within a cell?

2. Describe the four main types of tissue in the human body and provide one example of each.

3. Explain the difference between compact and spongy bone.

4. Name three types of joints found in the human body and provide an example of where each type is located.

5. What is the primary difference between voluntary and involuntary muscles?

6. Describe the role of actin and myosin in muscle contraction.

7. Identify the three main parts of a neuron and describe their functions.

8. Explain the difference between the central nervous system (CNS) and peripheral nervous system (PNS).

9. What is the main function of the cardiovascular system?

10. Describe the pathway of blood through the heart, beginning with blood returning to the heart from the body.

11. What is the primary function of alveoli in the respiratory system?

12. Describe the role of the stomach and small intestine in digestion.