Human Body Systems
Knowledge Review

This review will help you demonstrate your understanding of the human body systems, their functions, key organs, and how they interact.

Directions: Fill in the blank with the vocabulary word that best completes the sentence.

1. The heart, blood vessels, and blood make up the _____ system.
2. The _____ is the fluid that carries nutrients, gases, and wastes throughout the body.
3. The _____ system circulates fluid that leaks from the blood and acts to defend the body from disease.
4. _____ blood cells mature in the lymphatic system.
5. The main organ of the respiratory system is the _____.
6. The function of the respiratory system is to take up _____ and exhale carbon dioxide as waste.
7. The central _____ system is made of the brain and the spinal cord.
8. The largest part of the brain is the _____, which controls voluntary movements, stores memories, and allows for problem-solving.
9. A bundle of _____, blood vessels, and connective tissue makes up the spinal cord.
10. The spinal cord sends motor commands from the brain to the _____ coordinate reflexes.
11. _____ are cells that move messages throughout the body in the form of electrical energy.
12. Bones make up the skeletal system and are held together by _____.
13. The place where bones connect to muscle is called a _____.
14. The place where two bones connect is called a _____.
15. The _____ system processes food into molecules that can be used by the body's cells.

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Directions: On the lines provided, answer the question presented in each question.

16. How does the cardiovascular system function?

17. Describe the function and locations of skeletal muscle, smooth muscle, and cardiac muscle.

18. Describe the function of the major parts of the digestive system:
mouth and esophagus, stomach, small intestine, liver, pancreas, and large intestine.

19. What are the three major functions of the skeletal system?

20. Explain how the cardiovascular system and the respiratory system work together toward homeostasis.

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