Human Body Systems Test Review

Skeletal System

1. What are the five functions of the skeletal system?
2. What is a joint?
3. What are the four types of joints and where are they located?
4. What are the three types of connective tissue and what are their purposes?

Muscular System

5. What is the 1 function of the muscular system?
6. What are the two types of muscle movement?
7. What are the three types of muscles and where are they located?
8. Which muscles are voluntary and involuntary?
9. Which muscles are striated and non-striated in appearance?

Integumentary (Skin) System

10. What are the 6 functions of the integumentary system?
11. What are the three layers of skin?
12. Which layer contains blood vessels, nerves, and fat?
13. What functions help the body maintain homeostasis?

Digestive System

14. What are the 3 functions of the digestive system?
15. Where does digestion begin?
16. What is the mechanical and chemical digestion in the mouth?
17. What is the mechanical and chemical digestion in the stomach?
18. Describe the flow of food after it enters the mouth until it exits the body.

Excretory System

19. What is the 1 function of the excretory system?
20. What is the major organ of the excretory system and what is its function?
21. What carries urine to the urinary bladder?
22. What muscular sack stores urine?
23. How does the excretory system help the body maintain homeostasis?

Circulatory System

24. What are the 2 functions of the circulatory system?
25. What is the major organ of the circulatory system and what is its function?
26. What side of the heart represents deoxygenated blood?
27. What side of the heart represents oxygenated blood?
28. What are the three types of blood vessels and their functions?
Respiratory System

29. What are the 2 functions of the respiratory system?
30. Through what structures will air flow after it enters the nasal cavity?

Endocrine System

31. What is the 1 function of the endocrine system?
32. The hormone adrenaline is released by what gland?

Nervous System

33. What are the 2 functions of the nervous system?
34. How does the nervous system help the body maintain homeostasis?
35. What structures make up the central nervous system?
36. What is the difference between a stimulus and a response?

Reproductive System

37. What is the 1 function of the reproductive system?
38. What structures are only found in males and what structures are only found in females?

Sample Questions

39. Which system is responsible for detecting changes in the internal or external environment to which the body must respond?
40. Which system is responsible for facilitating gas exchange in and out of the body?
41. What system is the body's first line of defense against invaders such as viruses and bacteria?
42. A person drives a car up to a railroad crossing and stops. The driver is startled by the sound of a train blowing its whistle. The driver's heart rate immediately increases, and the driver is more alert. Which body systems are most involved in causing the driver's heart rate and alertness to increase as a result of sudden fright?
43. When you are riding your bike, which two systems are mainly responsible for the movement of your body?
44. When bacteria invade, the body manufactures cells that attack the foreign bacteria. Which system is responsible for delivering the attacking cells to the location of the invaders?
45. Which systems are responsible for the exiting of solid and liquid waste from your body?
46. Which system is responsible for producing sex cells for the body?

Scientific Method

47. List and describe the steps of the scientific method.
48. What is an independent variable?
49. What is a dependent variable?
50. What is needed for an experiment to be take place?