

## Chapter 1 Test

### Body Systems at Work

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1. i
2. a
3. h
4. g
5. d
6. e
7. f
8. b
9. c
10. j

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11. C
12. G
13. B
14. F
15. B
16. F
17. T
18. F
19. F
20. F

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21. Possible answer: Nerves carry the hunger message from the stomach to the brain. Then the brain sends messages to the muscles to produce eating movements.
22. Possible answer: The muscular system receives messages from the brain to produce eating movements.
23. Possible answer: As you eat the snack, the digestive system breaks down the food into nutrients your body can use.
24. Possible answers: The nutrients from the foods are carried by the circulatory system to cells in all parts of the body. As cells process the nutrients, they produce carbon dioxide, which the circulatory system carries to your lungs.
25. Possible answers: When carbon dioxide reaches your lungs, it is exchanged for oxygen, which the respiratory system has brought to the lungs.