

Name: _____

Date: _____ Grade: _____

Chapter 1, Section 1



**THE HUMAN BODY:
ORGANIZATION**



You are making progress! Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.

Matching:

- | | |
|---------------------|---|
| 1. _____ Herophilus | (a) Greek physician; most famous in the Roman Empire |
| 2. _____ Galen | (b) Flemish physician; used human cadavers in study of anatomy; authored medical illustrated textbook |
| 3. _____ Vesalius | (c) Greek surgeon; pioneered study of human dissection |

4. A *cadaver* is a(n) _____ used for *dissection*.
5. Vesalius taught medical students and authored a detailed book on human anatomy before the age of 30. _____ (a) True or (b) False
6. The human body consists of an estimated 30 to 100 _____ cells, depending on the size of the individual.
(a) thousand (b) million (c) billion (d) trillion
7. According to the illustration on page two of your text, the basic tasks of each “simple cell” are categorized into approximately _____ basic job descriptions.
(a) 5 (b) 10 (c) 15 (d) 20
8. The basic structural and functional units of life are called: _____.
(a) tissues (b) organs (c) cells (d) organ systems
9. A mass of similar cells that performs a specific function is called a(n): _____.
(a) tissue (b) organ (c) cell (d) organ system

Matching:

- | | |
|-----------------------------|--|
| 10. _____ epithelial tissue | (a) provides body framework, strength, freedom of movement |
| 11. _____ connective tissue | (b) covers interior and exterior body surfaces |
| 12. _____ nerve tissue | (c) connects with bones to enable body to move |
| 13. _____ muscle tissue | (d) provides support for the body and connects its parts |
| 14. _____ bone tissue | (e) transmits nerve impulses throughout the body |
15. A group of *tissues* that work together to perform a specific function is called a(n): _____
(a) tissue (b) organ (c) cell (d) organ system
16. The human eye consists of each of the four basic types of tissues. _____
(a) True or (b) False
17. A group of *organs* that perform closely related functions are called: _____
(a) tissues (b) organs (c) cells (d) organ systems

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18. The human eye is part of the _____ system.
(a) circulatory (b) nervous (c) endocrine (d) lymphatic
19. Which of the following is the correct sequence of the levels of organization from least to most complex? _____
(a) cell, tissue, system, organ (c) cell, tissue, organ, system
(b) tissue, cell, system, organ (d) tissue, system, organ, cell
20. The human body consists of _____ *organ systems*.
(a) 5 (b) 7 (c) 11 (d) 15

Matching: Match each system with its primary function.

- | | |
|---|---|
| 21. _____ skeletal and muscular systems | (a) transports nutrients and oxygen-rich blood throughout the body |
| 22. _____ nervous system | (b) maintains order among the body's cells |
| 23. _____ endocrine system | (c) holds body together and protects from invading bacteria |
| 24. _____ digestive and respiratory systems | (d) fights off invading germs and provides protection from diseases and parasites |
| 25. _____ circulatory system | (e) protects inward parts and supports body |
| 26. _____ excretory system | (f) rids body of waste |
| 27. _____ reproductive system | (g) provides raw materials to sustain body functions |
| 28. _____ integumentary system | (h) produces offspring |
| 29. _____ immune-lymphatic systems | (i) interprets and responds to stimuli |

30. Name the system that is necessary for the survival of a species. _____

31. List the 3 body systems that function in some form of protection. _____,
_____, _____

32. Write the **Life Principle**: “ _____”
_____.”