

Directed Reading A

Section: Body Organization A STABLE INTERNAL ENVIRONMENT

Write the letter of the correct answer in the space provided.

- _____ 1. What is homeostasis?
- a. maintenance of a stable body environment
 - b. an unstable body environment
 - c. matching body temperature to the outside environment
 - d. a process that kills cells
- _____ 2. What can happen if homeostasis is disrupted?
- a. Cells rest.
 - b. Cells work together.
 - c. Cells may be hurt or die.
 - d. Cells remove waste.

CELLS, TISSUES, AND ORGANS

- _____ 3. Which of the following is true of maintaining homeostasis?
- a. Cells have no role.
 - b. Cells have a minor role.
 - c. Only certain cells are involved.
 - d. All cells play a part.

Cells Form Tissues

- _____ 4. Which of the following is NOT true of differentiated cells?
- a. Cell functions are the same as other types of cells.
 - b. Cell functions are specialized.
 - c. Cells have unique structures.
 - d. Muscle and epithelial cells are examples.
- _____ 5. What is a group of cells that are alike and work together?
- a. a cell team
 - b. a tissue
 - c. a cell family
 - d. a system

Directed Reading A *continued*

Match the correct description with the correct term. Write the letter in the space provided.

- | | |
|--|----------------------|
| _____ 6. insulates organs | a. nervous tissue |
| _____ 7. covers and protects tissue | b. muscle tissue |
| _____ 8. sends messages to parts of the body | c. epithelial tissue |
| _____ 9. helps you move | d. connective tissue |

Tissues Form Organs

Match the correct description with the correct term. Write the letter in the space provided.

- | | |
|---|----------------------|
| _____ 10. This is a group of tissues that work together. | a. muscle tissue |
| _____ 11. This is used by the stomach to break up food. | b. organ |
| _____ 12. This helps coordinate the movements of the stomach. | c. epithelial tissue |
| _____ 13. This covers the inside of your stomach. | d. nervous tissue |

Organs Form Organ Systems

Write the letter of the correct answer in the space provided.

- _____ 14. Organs that work together are part of what?
- a cell
 - a tissue
 - an organ system
 - a muscle

Match the correct description with the correct term. Write the letter in the space provided.

- | | |
|--|--------------------------|
| _____ 15. includes the heart, blood, and blood vessels | a. cardiovascular system |
| _____ 16. takes wastes out of blood | b. endocrine system |
| _____ 17. sends chemical messages | c. integumentary system |
| _____ 18. includes skin, hair, and nails | d. urinary system |

Directed Reading A *continued*

Match the correct description with the correct term. Write the letter in the space provided.

- | | |
|---|-----------------------------|
| _____ 19. makes sperm | a. skeletal system |
| _____ 20. holds up and protects parts of the body | b. lymphatic system |
| _____ 21. gets rid of bacteria and viruses | c. male reproductive system |
| _____ 22. takes oxygen from the air and releases carbon dioxide | d. respiratory system |

Match the correct description with the correct term. Write the letter in the space provided.

- | | |
|---|-------------------------------|
| _____ 23. breaks down food into substances the body can use | a. female reproductive system |
| _____ 24. helps the body move | b. digestive system |
| _____ 25. protects the fetus | c. nervous system |
| _____ 26. sends and receives electrical messages | d. muscular system |

ORGAN SYSTEMS WORKING TOGETHER

Write the letter of the correct answer in the space provided.

- _____ 27. How do the cardiovascular and respiratory systems help maintain homeostasis?
- They digest food.
 - They carry oxygen to cells and get rid of carbon dioxide.
 - They store wastes.
 - They include the stomach.

Interdependence of Organ Systems

- _____ 28. In which pair of organ systems does the pancreas perform functions?
- respiratory and cardiovascular
 - digestive and endocrine
 - nervous and skeletal
 - nervous and integumentary

When Systems Fail

- _____ 29. What is likely to occur if one organ system fails?
- Other organ systems will function normally.
 - Other organ systems will fix the failed system.
 - The entire organism is affected.
 - The entire organism is largely unaffected.

Skills Worksheet

Vocabulary and Section Summary B

Body Organization

VOCABULARY

After you finish reading the section, try this puzzle! Use the clues given to fill in the blanks below. Then, copy the numbered letters into the corresponding boxes on the following page to reveal the four kinds of tissue.

1. the maintenance of a stable environment inside the body

_____ 10 4 _____ _____ 6 _____

2. a type of cell that has unique structures specialized to perform specific functions

_____ 8 _____ _____ _____ 1 _____

3. a group of similar cells that perform a common function

_____ 9 _____ _____ _____ 5 _____

4. a collection of tissues that perform a specialized function of the body

_____ 3 _____ _____ _____

5. a group of organs that work together

_____ _____ _____ 11 _____ _____ _____ _____ 2 7

What are the four kinds of body tissue?

a. tissue that sends electrical signals throughout the body

_____ 1 _____ 2 _____ 3 **V** _____ 4 _____ 5 _____ 6

b. tissue that contracts and relaxes to produce movement

_____ 7 _____ 5 _____ 6 **C** **L** _____ 2

c. tissue that covers and protects underlying tissue

_____ 2 **P** _____ 8 _____ 9 _____ 10 _____ 2 **L** _____ 8 _____ 11 **L**

d. tissue that joins, supports, protects, insulates, nourishes, and cushions organs

C _____ 4 _____ 1 _____ 1 _____ 2 **C** _____ 9 _____ 8 **V** _____ 2