

Structure and Function in Living Systems

Name:

Organ Systems

Period:

Use Chapter 15, Section 1 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them. Some terms may be used more than once.

organ organ system tissue

Tissues Form Organs (p.468)

1. An _____ is made of a group of tissues that work together.
2. Look at Figure 3. Your stomach is made of 4 different types of _____, so your stomach must be an _____.
3. An organ can do jobs that a _____ cannot do on its own.



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Organs Form Organ Systems

4. Organs that work together are part of an _____.
5. An organ system can do jobs that an _____ cannot do on its own.

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

- | | |
|---|-------------------------------|
| _____ 6. includes the heart, blood, and blood vessels | a. cardiovascular system |
| _____ 7. takes wastes out of blood | b. endocrine system |
| _____ 8. sends chemical messages | c. integumentary system |
| _____ 9. includes skin, hair, and nails | d. urinary system |
| _____ 10. makes sperm | e. skeletal system |
| _____ 11. holds up and protects parts of the body | f. lymphatic system |
| _____ 12. gets rid of bacteria and viruses | g. male reproductive system |
| _____ 13. takes oxygen from the air and releases carbon dioxide | h. respiratory system |
| _____ 14. breaks down food into substances the body can use | i. female reproductive system |
| _____ 15. helps the body move | j. digestive system |
| _____ 16. protects the fetus | k. nervous system |
| _____ 17. sends and receives electrical messages | l. muscular system |

turn over for more questions

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cardiovascular homeostasis life pancreas respiratory

Organ Systems Working Together (p.470)

18. Your _____ system and your _____ system work together to get gases in and out of your body.
- _____ 19. How do the cardiovascular and respiratory systems help maintain homeostasis?
- a. They digest food.
 - b. They carry oxygen to cells and get rid of carbon dioxide.
 - c. They store wastes.
 - d. They include the stomach.

Interdependence of Organ Systems

20. Your _____ is an organ that makes fluids that you use to digest things.
- _____ 21. In which pair of organ systems does the pancreas perform functions?
- a. respiratory and cardiovascular
 - b. digestive and endocrine
 - c. nervous and skeletal
 - d. nervous and integumentary

When Systems Fail (p.471)

22. If your body keeps its organ systems working together and functioning, your body is able to maintain _____ .
- _____ 23. What is likely to occur if one organ system fails?
- a. Other organ systems will function normally.
 - b. Other organ systems will fix the failed system.
 - c. The entire organism is affected.
 - d. The entire organism is largely unaffected.
24. All of the processes for _____ are divided up between your body's organ systems.
- _____ 25. Which statement below is true?
- a. any organ system can do the job of any other organ system
 - b. some organ systems can do the job of other organ systems
 - c. no organ system can do the job of any other organ system