

Directed Reading A

Section: The Lymphatic System

- _____ 1. A group of organs whose main function is to collect extra fluid from cells and return it to the blood is the
- a. cardiovascular system.
 - b. lymphatic system.
 - c. circulatory system.
 - d. atria and ventricles.
2. The lymphatic system helps your body to fight _____.

VESSELS OF THE LYMPHATIC SYSTEM

3. The smallest lymph vessels are called _____.
4. Why are some particles NOT absorbed by blood vessels?
- _____
5. Fluid and particles collected by lymphatic vessels and nodes are called _____.
6. Where does lymph drain?
- _____

OTHER PARTS OF THE LYMPHATIC SYSTEM

- _____ 7. Where are most red and white blood cells produced?
- a. bone marrow
 - b. lymph vessels
 - c. blood vessels
 - d. lymph nodes
- _____ 8. Special white blood cells that fight pathogens are called
- a. RBCs.
 - b. nodes.
 - c. lymphocytes.
 - d. bean cells.
- _____ 9. Small oval masses of lymphatic tissue found in lymphatic vessels are called
- a. lymph nodes.
 - b. lymph capillaries.
 - c. lymph fluids.
 - d. killer cells.

Directed Reading A *continued*

- _____ **10.** What do lymph nodes do?
a. remove nodes
b. create new lymph
c. create new blood cells
d. remove pathogens and dead cells from lymph
- _____ **11.** What do killer T cells do?
a. produce antibodies
b. destroy pathogens
c. destroy lymphocytes
d. produce antigens
- _____ **12.** What do B cells do?
a. produce antibodies
b. destroy pathogens
c. destroy lymphocytes
d. produce antigens
- _____ **13.** The main gland of the lymphatic system is the
a. bone marrow.
b. lymph.
c. thymus.
d. lymph node.
- 14.** The thymus gland produces _____ that are ready to fight infection.
- 15.** The largest organ in the lymphatic system is the _____.
- 16.** List the two important functions of the spleen.

- 17.** List four things the spleen does with red blood cells.

- 18.** The lymphatic tissues at the back of the mouth are called _____.
- 19.** Tonsils help defend the body against _____.

Answer Key

Directed Reading A

SECTION: THE CARDIOVASCULAR SYSTEM

1. circulatory system
2. cardiovascular system
3. heart
4. blood vessel
5. blood vessels
6. B
7. A
8. B
9. B
10. A
11. C
12. to prevent blood from flowing backward
13. the valves
14. E
15. D
16. A
17. B
18. C
19. a capillary
20. veins
21. arteries
22. C
23. D
24. C
25. pulmonary
26. systemic
27. body
28. exercise
29. heart diseases
30. D
31. F
32. E
33. C
34. heart attack

SECTION: BLOOD

1. 5
2. red blood cells, white blood cells, platelets, plasma
3. plasma
4. carry oxygen and nutrients through the body
5. oxygen you inhale
6. platelets

7. destroy pathogens and help clean wounds
8. viruses
9. antibodies
10. white blood cells
11. temperature
12. enlarge
13. B
14. when the ventricles contract
15. when the ventricles relax
16. heart and kidney
17. D
18. B
19. They react as if the antigens were pathogens.
20. O
21. lost blood

SECTION: THE LYMPHATIC SYSTEM

1. B
2. pathogens
3. lymph capillaries
4. They are too large.
5. lymph
6. into the large neck veins
7. A
8. C
9. A
10. D
11. B
12. A
13. C
14. T cells
15. spleen
16. fighting infection; removing dead or damaged cells
17. produces, monitors, stores, and destroys
18. tonsils
19. infection

SECTION: THE RESPIRATORY SYSTEM

1. energy
2. E
3. A
4. B
5. F
6. C
7. D