

Directed Reading A

Section: The Cardiovascular System

- 1. The word *cardio* means _____.
- 2. The word *vascular* means _____.
- 3. Arteries, veins, and capillaries are _____ that carry blood pumped by the heart.

YOUR CARDIOVASCULAR SYSTEM

- 4. The heart, blood, and blood vessels together make up the _____.
- 5. What are three examples of how the cardiovascular system helps maintain homeostasis?

THE HEART

- _____ 6. What kind of tissue makes up most of the heart?
 - a. vascular
 - b. cardiac
 - c. circulatory
 - d. lymphatic
- _____ 7. Each upper chamber of the heart is called a(n)
 - a. atrium.
 - b. ventricle.
 - c. valve.
 - d. cardio.
- _____ 8. Each lower chamber of the heart is called a(n)
 - a. atrium.
 - b. ventricle.
 - c. valve.
 - d. cardio.
- _____ 9. The right side of the heart pumps oxygen-poor blood to the
 - a. body.
 - b. lungs.
 - c. right ventricle.
 - d. left atrium.
- _____ 10. The left side of the heart pumps oxygen-rich blood to the
 - a. body.
 - b. lungs.
 - c. right ventricle.
 - d. left atrium.

Directed reading A continued

- _____ 11. When atria relax, what do ventricles do?
- a. expand
 - b. relax
 - c. contract
 - d. close

12. Why do the heart's valves close?

13. What part of the heart makes the "heartbeat" sound?

BLOOD VESSELS

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

- | | |
|--|-------------------|
| _____ 14. carries blood back to the heart | a. artery |
| _____ 15. allows exchanges between blood and body cells | b. blood pressure |
| _____ 16. carries blood away from the heart | c. pulse |
| _____ 17. is pressure caused by heartbeats | d. capillary |
| _____ 18. is caused by a rhythmic change in blood pressure | e. vein |

19. What is the narrowest kind of blood vessel?

20. What kind of blood vessels are helped by the contracting of skeletal muscles?

21. What kind of blood vessels stretch due to blood pressure?

TWO TYPES OF CIRCULATION

- _____ 22. What enters the blood when it is pumped to the lungs?
- a. blood vessels
 - b. capillaries
 - c. oxygen
 - d. carbon dioxide

Directed reading A continued

- _____ 23. What leaves the blood when it is pumped to the lungs?
a. blood vessels
b. capillaries
c. oxygen
d. carbon dioxide
- _____ 24. Where does the exchange of blood and oxygen take place in the lungs?
a. ventricles
b. arteries
c. capillaries
d. veins
25. The flow of blood between the heart and the lungs is
_____ circulation.
26. The flow of blood between the heart and the rest of the body is
_____ circulation.

CARDIOVASCULAR PROBLEMS

27. Cardiovascular problems can harm the whole _____.
28. A healthy diet and plenty of _____ can reduce the risk of cardiovascular problems.
29. What is the leading cause of death in the United States?

Match the correct description with the correct term. Write the letter in the space provided. Some terms will not be used.

- | | |
|---|--------------------|
| _____ 30. fatty buildup in blood vessels | a. blood poisoning |
| _____ 31. abnormally high blood pressure | b. heart failure |
| _____ 32. brain damage caused by damage to blood vessels | c. heart attack |
| _____ 33. condition caused by the death of heart muscle cells | d. atherosclerosis |
| | e. stroke |
| | f. hypertension |

34. What can happen when blood supply to the heart is blocked?

