

Physical Principles in Living Systems

Name:

Your Cardiovascular System

Period:

Use Chapter 16, Section 1 of your textbook to answer the questions below.

Section 1: The Cardiovascular System (p.496)

1. Your heart is an _____ that is part of the cardiovascular system.
2. The root word "cardio" means _____ .
3. The root word "vascular" means _____ .
4. Blood vessels carry _____ throughout the body.
5. Blood moves through the body because it is _____ by the heart.
6. The cardiovascular system can also be called the _____ system.

Your Cardiovascular System

7. The heart and blood vessels are part of the _____ system.
8. Blood is pumped through the body when the _____ contracts.
9. The cardiovascular system helps maintain _____.
10. Cells in your body get oxygen and nutrients from _____, and the blood takes carbon dioxide and waste from _____.

The Heart (p.497)

- _____ 11. The heart is about the size of which of the following?
a. your head b. your nose c. your thumb d. your fist
- _____ 12. What kind of blood gets sent to the lungs?
a. type A b. type B c. oxygen-rich d. oxygen-poor
- _____ 13. What kind of blood gets sent to the body?
a. type A b. oxygen-rich c. type B d. oxygen-poor
- _____ 14. What are the heart's upper chambers called?
a. atria b. ventricles c. arteries d. veins
- _____ 15. What are the heart's lower chambers called?
a. atria b. ventricles c. arteries d. veins
16. Look at Figure 2. _____ are found between the atria and the ventricles.
- _____ 17. What causes the sound of a heartbeat?
a. atria contracting b. valves closing c. ventricles contracting d. atria relaxing
18. Valves in your heart keep blood from flowing _____ .
19. Look at Figure 3. In the heart, blood moves from the top chambers (_____) into the _____ .

