

8th Grade Science

Human Body Systems & Health Book

Chapter Two: Circulation & Respiration

Section One The Cardiovascular System (pg 30-35)

Answer each of the following questions on a piece of notebook paper, in a complete sentence, restating the question in your answer. Failure to follow these rules will result in the student having to rewrite the assignment to earn their points.

1. What 3 ways does the cardiovascular system help maintain homeostasis?
2. Compare the right and left sides of your heart.
3. What prevents blood from going the wrong direction in the cardiovascular system?
4. What causes the lub-dub sound in your heart?
5. Which chambers of your heart receive blood and from where is it received?
 6. Blood that goes out to the body from the heart leaves from what heart chamber?
7. What are the 3 types of blood vessels in the cardiovascular system?
8. What three things are exchanged at the capillaries?
9. How are things able to pass from body to capillary?

10. When blood leaves the heart and enters the lungs, the blood is full of what and is picking up what?
11. Describe five things that can lead to cardiovascular disease.
12. What are two things that can help prevent cardiovascular disease?
13. What is the leading cause of death in the United States?
14. What happens to the brain if it doesn't receive oxygen?
15. An adult male's heart pumps about 2.8 million liters of blood a year. If his heart beats 70 times a minute, how much blood does his heart pump with each beat?
16. One of aspirin's effects is that it prevents platelets from being too "sticky." Why might doctors prescribe aspirin for patients who have had a heart attack?