Name	Date	Class
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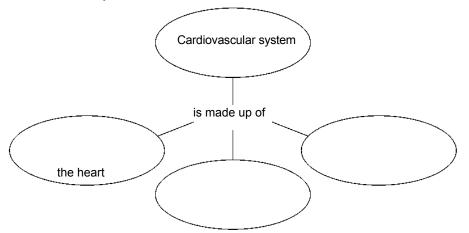
Circulation ■ Guided Reading and Study

The Body's Transport System

This section describes how the heart, blood vessels, and blood work together to carry materials throughout the body.

The Cardiovascular System

- 1. Another name for the cardiovascular system is the system.
- 2. Complete this concept map to show what makes up the cardiovascular system.



GRS 16.1

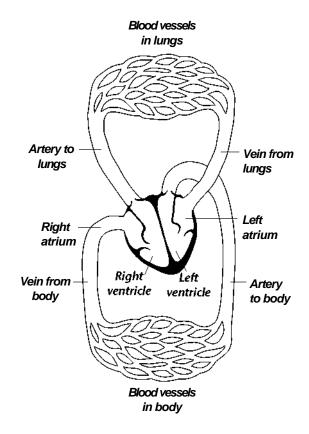
3.	what three things are carried throughout the body by the cardiovascular system?
Th	ne Heart
4.	Each time the heart beats, what does it do to blood?

5. Complete the table about the chambers of the heart.

Chambers of the Heart				
Questions	Upper Chambers	Lower Chambers		
What are these chambers called?				
How many are there?				
What is the function, or job, of these chambers?				

•	The group of cells that adjusts the speed of the heart beat is called
	Then blood flows through the heart, what force pushes the ood out of the heart and into the arteries?
	o Loops
N:	
_	ame the three kinds of blood vessels.

11. Draw arrows on the diagram below to show how blood circulates through the body. The first arrow should start in the right atrium.



12. The largest artery in the body is called the

Arteries	Veins
13. What is the structure of an artery?	20. What job do veins carry out?
	<u> </u>
	21. What three things help push blood through veins?
14. Arteries carry blood away from the	a
15. Is the following sentence true or false? The coronary	b
arteries provide the stomach with its blood supply	с.
16. Circle the letter of each sentence that is true about pulse.	22. Is the following sentence true or false?
a. The faster your heart beats, the slower your pulse will be.	The walls of veins are generally
b. Pulse is caused by the expanding and narrowing of artery wallc. When you count pulse beats, you are also counting heartbeats.	
d. You can feel pulse in veins but not in arteries.	Blood Pressure
17. Is the following sentence true or false? Arteries control the amount of blood that different organs receive.	23. What is blood pressure?
Capillaries	
18. What important thing happens in the capillaries?	24. As blood moves away from the heart, does the blood pressure increase or decrease?
	25. Circle the letter of the name of the instrument that measures blood pressure.
	a. stethoscope
19. One process in which materials are exchanged between	b. X-ray machine
the blood and the body cells is	c. sphygmomanometerd. mercury