

## What happens to blood as it circulates?

### Lesson Review

Match each term in Column B with its description in Column A. Write the correct letter in the space provided.

#### Column A

- \_\_\_\_\_ 1. receives blood from body
- \_\_\_\_\_ 2. receives blood from pulmonary veins
- \_\_\_\_\_ 3. pumps blood into aorta and body
- \_\_\_\_\_ 4. pumps blood into pulmonary artery
- \_\_\_\_\_ 5. blood gives up oxygen and picks up carbon dioxide
- \_\_\_\_\_ 6. blood gives up carbon dioxide and picks up oxygen

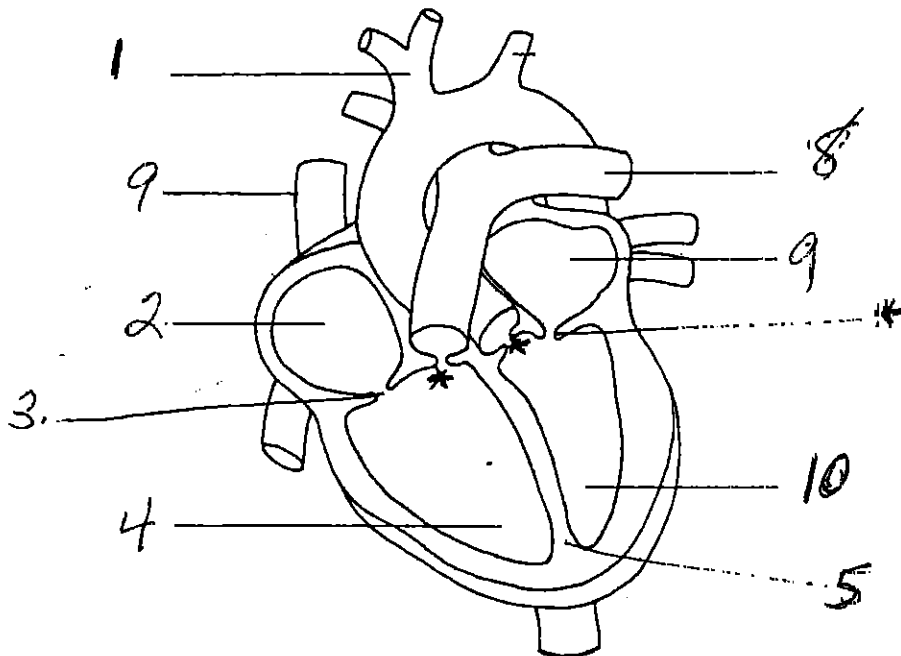
#### Column B

- a. left atrium
- b. right atrium
- c. left ventricle
- d. right ventricle
- e. capillaries in body
- f. capillaries in lungs

### Skill Challenge

**Skills:** identifying, diagraming, applying concepts

In the spaces provided, identify each of the numbered parts of the diagram. Then, use colored pencils to draw arrows showing how blood is circulated throughout the body. Use a red pencil for blood rich in oxygen and a blue pencil for blood rich in carbon dioxide.



- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_

- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_

## What are blood vessels?

### Lesson Review

**PART A** Complete the following.

1. What are blood vessels? \_\_\_\_\_
2. How many kinds of blood vessels are there? \_\_\_\_\_
3. What are arteries? \_\_\_\_\_
4. What is the aorta? \_\_\_\_\_
5. What are veins? \_\_\_\_\_
6. What kinds of blood vessels connect arteries to veins? \_\_\_\_\_

**PART B** Match each blood vessel to its description. Write the correct letter in the space provided.

- |       |   |                |
|-------|---|----------------|
| _____ | 1. have thick, muscular walls                                     | a. capillaries |
| _____ | 2. tiny vessels through which substances are exchanged with cells | b. veins       |
| _____ | 3. contain valves to keep blood from flowing backward             | c. arteries    |

### Skill Challenge

**Skills:** *comparing, classifying*

Decide if each characteristic in the table describes arteries, veins, or capillaries. Place a check mark in the correct column to indicate your answer.

CHARACTERISTICS OF BLOOD VESSELS			
Characteristic	Arteries	Veins	Capillaries
1. Thick, muscular walls			
2. Carry blood to heart			
3. Some have valves			
4. Pumps blood at high pressure			
5. Walls are one cell thick			
6. Connect arteries to veins			
7. Pulse is felt in these			