

## The Circulatory System Activity Sheet

1. Which of the following is **NOT** one of the three main components of the circulatory system?

- a. Heart
- b. Lungs
- c. Blood
- d. Blood vessels

2. More than half of your blood is made of a liquid called \_\_\_\_\_.

3. Each type of blood cell has a different job. Explain the job that each does.

Red blood cells: \_\_\_\_\_

\_\_\_\_\_

Platelets: \_\_\_\_\_

\_\_\_\_\_

White blood cells: \_\_\_\_\_

\_\_\_\_\_

4. Blood vessels that carry blood **FROM** the heart to the body are called \_\_\_\_\_.

5. Blood vessels that carry blood **TO** the heart from the body are called \_\_\_\_\_.

6. Name two substances that move from the blood into cells as the blood flows through the capillaries.

\_\_\_\_\_

7. The main artery of the body is called the \_\_\_\_\_.

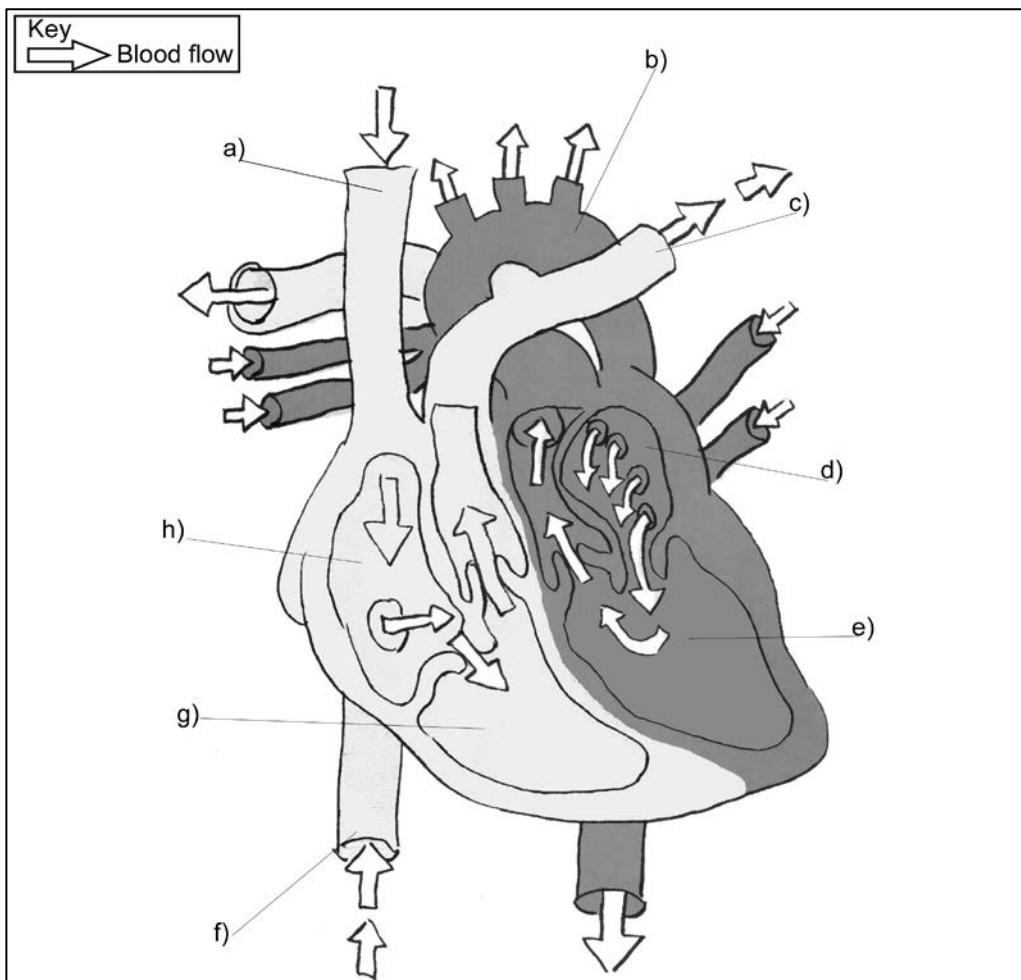
8. There are two pumps in the heart. The left side delivers oxygen rich blood to the body from the lungs through the arteries. The right side pumps the blood carrying what waste gas out of the body into the lungs through the veins? \_\_\_\_\_

9. What organ stores energy in the body and releases nutrients into the blood when needed?  
 \_\_\_\_\_  
 \_\_\_\_\_

10. When your body temperature begins to rise, the flow of blood to the skin increases and then the heat passes out of the body. What happens when your body temperature drops?  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

11. Blood pressure is the force of blood moving through the body. What is high blood pressure called? \_\_\_\_\_

12. THE HUMAN HEART: Match the labels -



\_\_\_\_\_ aorta

\_\_\_\_\_ right atrium

\_\_\_\_\_ right ventricle

\_\_\_\_\_ inferior vena cava

\_\_\_\_\_ pulmonary artery

\_\_\_\_\_ left atrium

\_\_\_\_\_ right ventricle

\_\_\_\_\_ superior vena cava

**ANSWERS:**

1. b. lungs
2. Plasma
3. Red blood cells transport oxygen throughout your body.  
Platelets help stop bleeding at the site of a wound.  
White blood cells defend the body against illness.
4. Arteries
5. Veins
6. Oxygen, nutrients
7. Aorta
8. Carbon dioxide
9. Liver
10. When your body temperature begins to drop, the flow of blood to the skin is restricted helping the body to retain as much heat as possible.
11. Hypertension
- 12.

\_\_\_b)\_\_\_ aorta

\_\_\_c)\_\_\_ pulmonary artery

\_\_\_h)\_\_\_ right atrium

\_\_\_d)\_\_\_ left atrium

\_\_\_g)\_\_\_ right ventricle

\_\_\_e)\_\_\_ left ventricle

\_\_\_f)\_\_\_ inferior vena cava

\_\_\_a)\_\_\_ superior vena cava