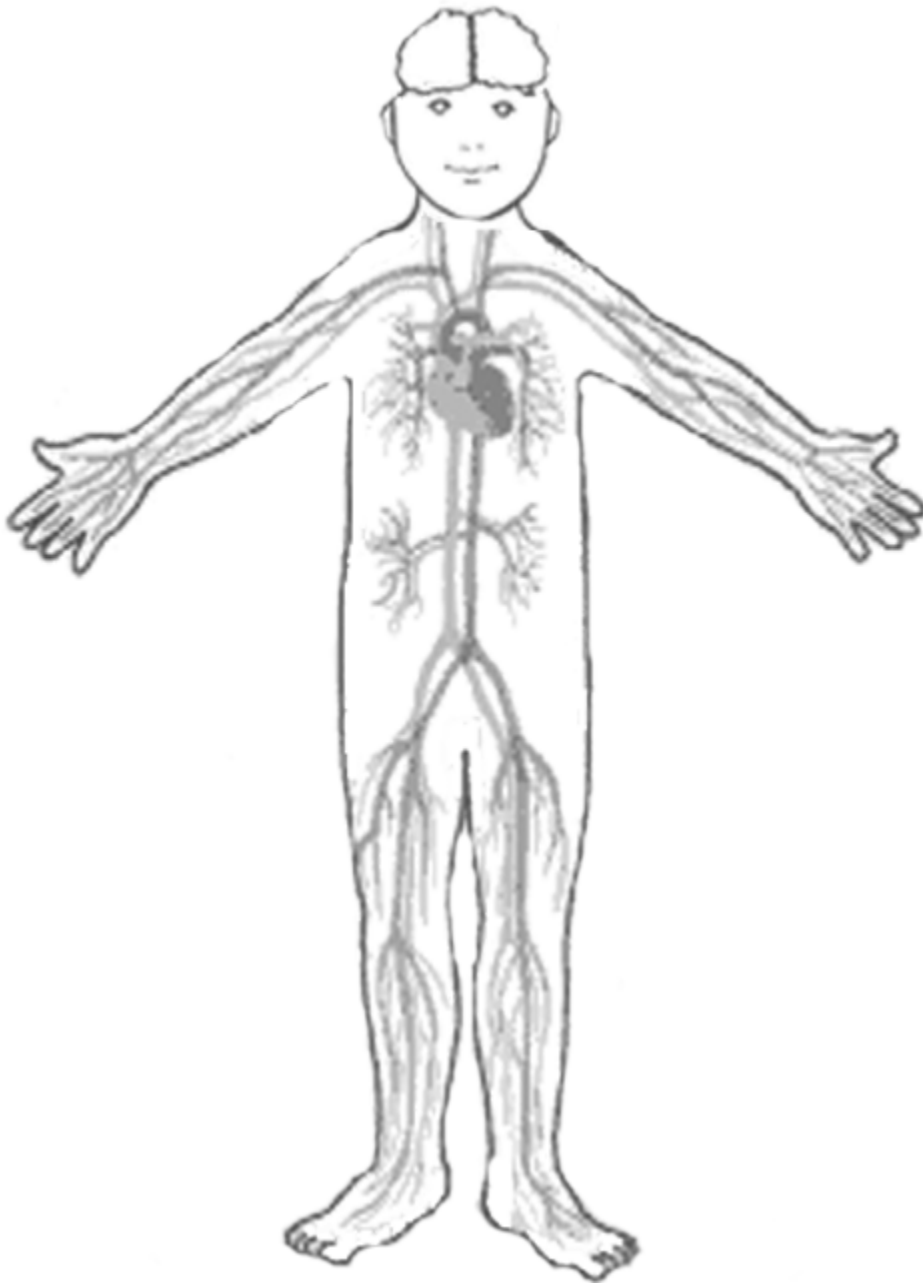


Circulatory System

Graphic #1



Circulatory System Graphic #2

1 = right ventricle – The right ventricle contains oxygen **poor** blood. Pulmonary circulation of blood begins here.

2 = pulmonary artery – Oxygen **poor** blood is pumped from the right ventricle to the lungs through the pulmonary artery.

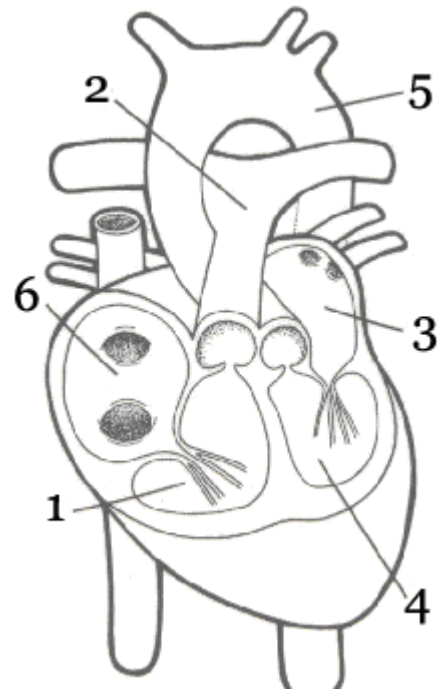
3 = left atrium – Oxygen **rich** blood returns from the lungs to the left atrium.

4 = left ventricle – Oxygen **rich** blood from the left atrium flows down into the left ventricle to begin its journey to the cells of the body. The systemic circulation of blood begins here.

5 = aorta – Oxygen **rich** blood leaves the left atrium through the aorta as it is pumped to our body.

6 = right atrium – Oxygen **poor** blood from our body returns to the right atrium. From here it flows down into the right ventricle where the cycle begins again.

It takes about 30 seconds for one blood cell to complete the entire circulatory system.



Circulatory System
Comprehension Questions
(to be used with the Circulatory System graphic #2)

1. Why is the blood system called a circulation system? **Blood goes in a circle around our bodies.**
2. There are two circular systems that combine to make our circulatory system. Which one takes blood to get oxygen added? **Pulmonary**
3. Let's begin with oxygen **poor** blood in the right ventricle. Where does it go from the right ventricle? **Pulmonary artery**
4. Where does the pulmonary artery take the blood? **Lungs**
5. Oxygen **rich** blood returns to which part of the heart? **Left atrium**
6. Oxygen **rich** blood from the left atrium passes through a valve into the left ventricle. What happens when the valve opens and closes? **We hear our hearts beat.**
7. Oxygen **rich** blood in the left ventricle is beginning the second circle. What is it called? **Systemic circulation**
8. Oxygen **rich** blood leaves the left ventricle of the heart through which artery? **Aorta**
9. What are the three types of blood vessels and what are their jobs?
Arteries take blood away from the heart. Capillaries touch each cell in our body and exchange oxygen for waste. Veins take blood back to the heart.
10. What part of the heart does the oxygen **poor** blood returning to the heart enter to complete the systemic circle? **Right atrium**
11. Where is the second valve the blood passes through? **Between the right atrium and the right ventricle**
12. How long does it take for one blood cell to complete the circulatory system? **About 30 seconds**

Supplying the Cells
Graphic Organizer

