

## The Circulatory System

1. What are 3 functions of the circulatory system?

2. List the 3 main parts of the circulatory system.

3. Complete the following table listing the 4 components of blood:

<b>Component</b>	<b>Function and Description</b>
red blood cells	
white blood cells	
platelets	
* plasma	

4. Complete the following table comparing the 3 blood vessels:

<b>Blood vessel</b>	<b>Function and Description</b>
arteries	
veins	
capillaries	

5. How is cardiac muscle different from the smooth muscle that surrounds the digestive tract?

6. Name and briefly describe two diseases or disorders of the circulatory system.

7. Which type of tissue is involved in carrying oxygen throughout the body?

8. Why is the circulatory system important with regard to the digestive system of a living organism?

9. List three methods a doctor will use to test your circulatory system.

10. Use the circulatory system to explain the terms *organ*, *tissue*, and *cell*.

11. Research the circulatory system of an amphibian such as a frog. How is the circulatory system of a frog different from a human?