

Name _____ Date _____ Section _____

The Circulatory & Lymphatic systems

1. What is the path that blood travels through the cardiovascular system, starting with the blood entering the right atrium?
2. Think about the front door of your home. How is the movement of that door similar to the movement of the heart's valves?
3. What is the difference between red blood cells and white blood cells?
4. Sickle-cell disease is a genetic blood disorder that changes the shape of red blood cells. The cells shrink and become pointy, not disk-shaped. How do you think this affects the circulatory system?
5. What is lymph? What is the normal composition of lymph? How does the composition of lymph differ from that of blood?

- 6. Hemophiliacs have a blood disorder that prevents the blood from clotting. What do you think hemophiliacs are lacking in their blood?**
- 7. How are the lymphatic and cardiovascular systems similar? How are they different?**
- 8. What is lymphedema? What can cause lymphedema? Describe at least two different causes.**
- 9. What are the functions of the spleen? If your spleen were removed [splenectomy], would you be able to fight off illness or infections effectively? Why or why not?**
- 10. Why is the lymphatic system NOT considered a part of the cardiovascular system?**