

Circulatory System Review

1. Draw a table to describe the similarities and differences between arteries and veins?
2. State the four components of blood, the percentage of the volume each comprises, and the function(s) of each component.
3. What is the purpose of hemoglobin in red blood cells?
4. How do white blood cells differ from red blood cells?
5. List three major proteins found in blood and list their function.
6. What is anemia. What is the cause of this condition?
7. "Oxygenated blood is found in all arteries of the body". Is this statement true or false? Provide a reason to explain your answer.
8. Why do you think the left ventricle has more muscle than the right ventricle does?
9. Draw a schematic diagram of the heart. Label all of the heart's parts
10. Which chamber receives blood from the tissue of the body?
11. Explain how the structure of a vein contributes to its function in the circulatory system.
12. How does exercise change your heart rate? Provide an explanation for any changes
13. Differentiate between systolic and diastolic blood pressure
14. Explain why we say that the circulatory system contains two circuits.
15. What are the functions of the valves in the heart?
16. What are the function of capillaries
17. Explain how the circulatory system depends on the respiratory system.
18. What is stroke volume? How do you measure it? Does it change/vary? Explain.
19. Why is it important to be aware of your MHP and your THR?
20. How does the cardiovascular system respond to physical activity?
21. Name the four factors that contribute to an increase of venous return.