**Cardiovascular and Lymphatic Systems Study Guide**

**Blood and the Cardiovascular**

1. **Plasma- composition**
2. **Hemoglobin- function**
3. **WBC’s – function**
4. **4 Blood types?**
5. **What makes the 4 different blood types?**
6. **Erythrocyte?**
7. **Universal donor?**
8. **Systemic vs. Pulmonary circulation**
9. **Phagocytes?**
10. **Heart muscle aka?**
11. **What causes the heart sounds?**
12. **When do WBC’s increase in number?**
13. **Where are your carotid arteries? What is their function?**
14. **List some things that would increase/ your heart rate.**
15. **Describe the valves in the heart**
16. **Pericardium?**
17. **Pacemaker? Where is it located?**
18. **Stroke?**
19. **Chordae tendon?**
20. **Superior vs Inferior vena Cava**
21. **Systolic vs. Diastolic**
22. **Units that blood pressure is measured in**
23. **Heart attack…aka?**
24. **Tool used to measure blood pressure**
25. **Only oxygenated vein?**
26. **Largest artery?**
27. **Amount of blood in the human body?**
28. **Blood pressure- what does each part represent?**

**Lymphatic System**

1. **What are the 1st, 2nd, and 3rd lines of defense?**
2. **Vaccine?**
3. **Allergic reaction?**
4. **T cells vs. B cells**
5. **Phagocyte?**
6. **How does stress affect your immunity? Short Answer/ Identification**

**Describe the process of blood clotting… Hemostasis**

**Be able to label the heart and its valves… and trace a drop of blood through the heart.**

**Describe at least 3 problems of the Cardiovascular System/ Blood/ Lymphatic System**

**Be able to explain the BP lab and why BP is so important to doctors doing a physical examination**