**Cardiovascular System Study Guide**

* What makes up the cardiovascular system?
* What is the difference between the systemic circuit and the pulmonary circuit? What heart structures and blood vessels are associated with each?

* What is the difference between the epicardium, myocardium, and endocardium?
* Where in the heart are the atriums located? Ventricles?
* Where does blood entering the right atrium come from?
* Where does blood entering the left atrium come from?
* What is the difference between the superior and inferior vena cava?
* Where is the tricuspid valve and what does it do?
* Where is the bicuspid valve and what does it do?
* What takes blood from the heart to the lungs?
* What takes blood from the lungs to the heart?
* When oxygenated blood returns to the heart from the lungs, what chamber of the heart does it enter?
* What is the cardiac cycle?
* What is systole? What is diastole?
* What happens during atrial systole/ventricular diastole?
* What happens during ventricular systole/atrial diastole?
* What causes the “Lubb” heart sound?
* What causes the “Dupp” heart sound?
* What is a heart murmur? What is happening in the heart?
* What is the S-A node?
* What part of the brain regulates the pace of the cardiac cycle?
* What are some factors that influence heart rate?
* What are the 3 types of blood vessels?
* Starting with the aorta, what is the order of the blood vessels that blood must travel through to get to the body’s tissue (big to small – “4 lanes to 2 lanes to 1 lane”) and then back to the heart?
* Where is your pulse felt?
* What is the average adult heart rate?
* What is considered to be normal blood pressure?
* Systolic pressure is the (maximum/minimum) pressure and is a result of ventricular (contraction/relaxation).

* What is hypotension? What is hypertension?
* What is cardiac output?
* What will happen to your blood pressure if your heart rate increases?
* Why do veins have valves?
* Where is the majority of blood stored?
* What is the role of capillaries?
* Starting with the Superior/Inferior Vena Cava, list the order of structures that blood must pass through on its journey through the heart, to the lungs, back to the heart, and to the body.