**Extension: Heart Dissection Lab**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Biology 11**

DUE DATE: **Friday December 17th**

**Directions:**

Complete a proper lab report for the dissection of the heart making sure to:

* include the photos asked to be taken during the lab under the observation and data section
* complete the analysis questions below and include them under the analysis and questions section

**Analysis Questions:**

1. What is a valve and what are their purpose within the heart? How many of these did you see during your dissection? Explain why arteries do not need valves.
2. What part of the heart does the blood enter when it comes in from the body? What part of the heart does the blood exit from the heart to be sent throughout the body?
3. The left ventricle wall and right ventricle wall are different thicknesses, why do you think this is so?
4. Explain why blood only gushes from the body when an artery has been cut but not in veins.
5. What is the purpose of the Coronary Artery also known as the Pulmonary Artery? What would happen if this was blocked by a blood clot? Explain why you think this.
6. Most of the time arteries take oxygenated blood away and veins return deoxygenated blood. Indicate a situation that this is not true for an artery as instead it carries deoxygenated blood and a situation where oxygenated blood is found in a vein.