**Sheep’s Heart Dissection lab report**

See “Heart Dissection lab handout”, posted on the student portal.

In this lab, we dissected a sheep’s heart – making careful note of the four chambers, the major blood vessels, the heart’s valves, and the overall structure of this organ.

You may use the following resources to complete this assignment:

1. Your textbook (look in the chapter which covers the heart & circulatory system).
2. The Khan Academy “Flow through the heart” video which is posted on the student portal
3. “The Heart and Circulatory System” slides which are posted on the student portal. These cover just about everything.
4. The Internet.

Instructions

You will be turning-in three (3) items, below. (100 points)

1. Carefully sketch the heart on 8-1/2 X 11 paper. You can either depict an intact heart, or a ‘sliced open’ view – it’s up to you. Use color and TAKE PRIDE IN YOUR SKETCH. Many students in the past have done very professional, detailed drawings!

Label the following on your drawing (12 items).

1. Right atrium
2. Right ventricle
3. Left atrium
4. Left ventricle
5. Aorta
6. Superior vena cava
7. Inferior vena cava
8. Pulmonary artery
9. Pulmonary vein
10. Mitral valve
11. Tricuspid valve
12. Chordae tendinae
13. Assemble some photos of your lab dissection, with the following parts labeled:
14. Left and right atrium
15. Left and right ventricle
16. Aorta
17. Write a narrative on how the heart works, referring to all twelve (12) items from question #1.

You must cover the following two (2) topics:

1. Systemic circuit: describe how the circulatory system carries blood away from your heart, delivers it to your organs, tissues, and cells, and returns it to your heart again.
2. Pulmonary circuit: describe how the blood goes from the heart to the lungs, and back to the heart again through the pulmonary vessels.