CAT & SHEEP HEART DISSECTIONS

SI PRESENTATION FOR ANATOMY II
1) Determine left from right by looking at the thickness of the myocardium
   - *Left ventricle pumps against more resistance therefore it needs more muscle power!*

2) Determine the valves by looking at their location
   - *Are they entering the ventricle? Yes – then they are AV valves. Knowing the left from the right will help determine how many flaps the valve has there are*
   - *Are they exiting the ventricles? Yes - knowing left from right will determine the which semilunar valve it is.*
Describe what you see!

- Left or right side of the heart?
- How many flaps are their in the indicated AV valve?
Describe what you see!
Describe what you see!
Describe what you see!
Figuring out Blood Vessel Anatomy

1) Identify Surrounding Organs
   - This helps determine what blood the vessel is carrying.

2) What color is the blood vessel
   - This will determine the direction of blood flow
     - Red: arteries carry blood away from the heart
     - Blue: veins carry blood to the heart
     - Yellow: hepatic portal system carrying blood to the liver to be detoxified
Identify the Blood Vessel

- Notice the liver
- Notice the kidney
Identify the Artery
Identify what you see!

- Notice the heart
- Notice the aorta
- Notice the brachiocephalic vein
Which Vein?

✓ Notice the thick vein exiting the blue lump structure (the kidney)
Which Artery?

- Notice the intestines
- Notice the long abdominal aorta
- Notice the thick veins exiting the blue lump structure (the kidney)
- Notice artery going toward the intestines
Which Artery?

- Notice the tube with the cartilage rings
- Notice the left and right subclavian veins
- Notice the aorta below the subclavian veins
Which Artery?

- Notice the lungs
- Notice the lump in the middle (the heart)
- Notice the arteries coming our of the heart
- Notice the superior vena cavae
Which Artery?

- Notice the blue lump (the kidney)
- Notice the common iliac
- Notice where the artery exits the abdominal aorta
Which Artery?

- Notice the location of the kidneys
- Notice the intestines