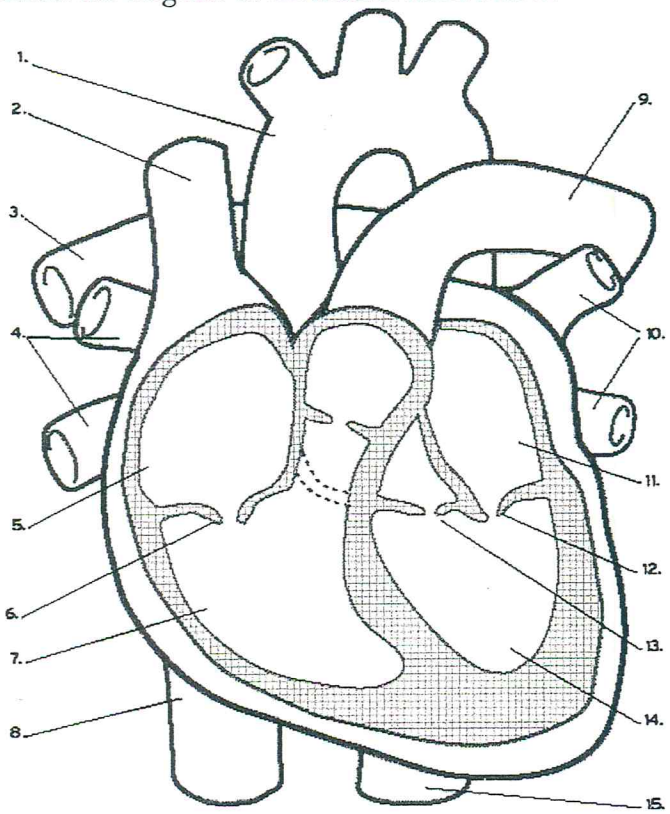
HEART DISSECTION QUESTIONS!!

Label the diagram of the human heart below.



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Analysis Questions

1. How can you tell which side of the heart is the ventral surface (the surface closer to your chest)?

the Apex is pointing to the right as you look at it.

2. How many chambers are found in the mammalian heart? List these chambers.

4 Rt & Lt Atria
Rt & Lt Ventricles

3. Which chambers are the pumping chambers of the heart?

Ventricles

4. Which chambers are the receiving chambers of the heart?

Atria

5. Describe the action of the tricuspid valve when the ventricle is full.

Blood pushes on the flaps of the valve to close it so that no blood flows back into the atria

6. Compare the structure of the tricuspid valve with that of the pulmonary valve.

Both prevent back flow of blood.

Tricuspid - attached with Chordae tendinae, open during relax, closed on cont.

Pulmonary - flaps of the wall; open during cont, closed on relax.

7. How do the walls of the atria compare with the walls of the ventricles and why are they different?

Atria walls are thinner because they do not experience the large pressure that the ventricles experience during contraction

8. What is the purpose of heart valves?

Prevent back flow of blood.

8. Name & compare the heart valves found between the upper & lower chambers of the right and left sides of the heart.

Tricuspid - Rt atrium - Rt Ventricle; three flaps

Bicuspid - Lt Atrium - Lt Ventricle; two flaps

9. Vessels that carry blood away from the heart are called arteries, while veins carry blood toward the heart.

10. Which artery is the largest and why?

Aorta - must supply blood to the entire body

11. The Left Pulmonary Artery can also be called your Left Coronary Artery. What would happen if this was blocked by a blood clot?

the blood would not be able to go to lungs to pick up oxygen

13. Using words and Arrows: Trace blood flow through the major blood vessels and heart, starting with deoxygenated blood returned from the body.

Vena Cavas
Right atrium
Tricuspid Valve
Rt Ventricle
Pulmonary Semilunar valve
Pulmonary Artery
Lungs
↓

Pulmonary Vein
Left Atrium
Bicuspid Valve
Left Ventricle
Aortic Semilunar Valve
Aorta
Body
Vena Cavas