

Name _____

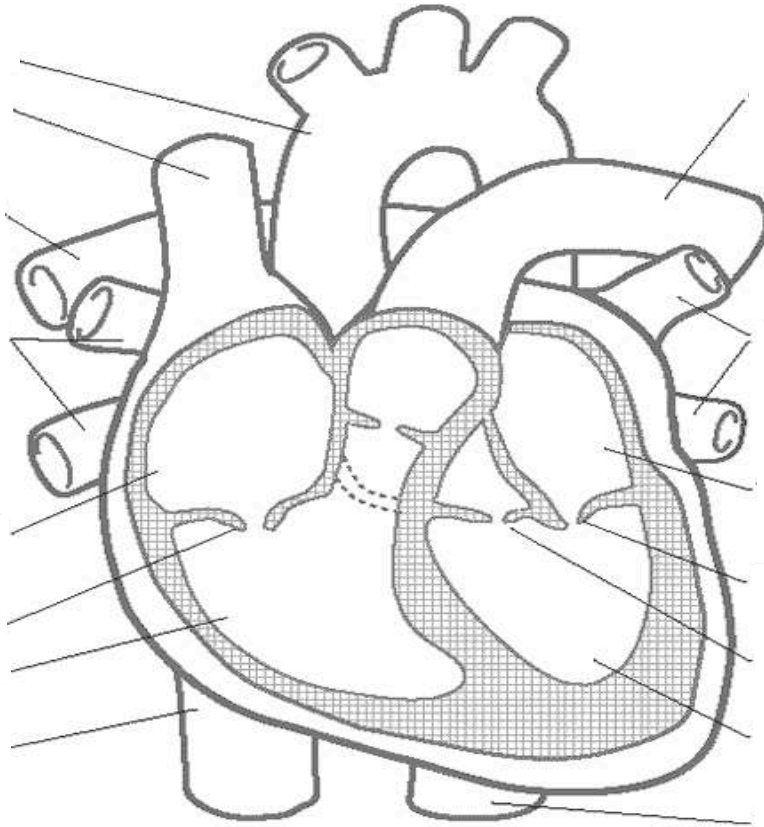
Biology 1102, Fall 2008

Sec. # _____

Lab 3: Cardiovascular System

Answer the following questions in your OWN words and in COMPLETE sentences.

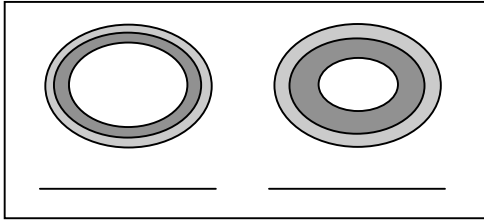
1. (1 pt) Label any eight (8) items on the heart diagram below.



2. (1 pt) Below is a list of the four chambers of the heart. Match each chamber with the correct function from the choices on the right.

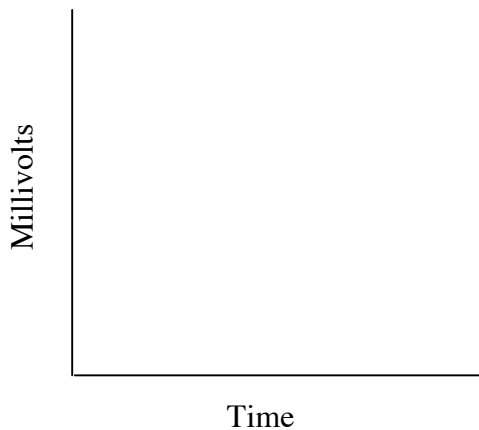
_____ left atrium	A. Oxygenated blood from the lungs enters the heart here
_____ right atrium	B. Oxygenated blood is pumped throughout the body from this chamber
_____ left ventricle	C. Deoxygenated blood leaves this chamber and goes to the lungs
_____ right ventricle	D. Deoxygenated blood from the body enters this chamber

3. (1 pt) Below is a diagram depicting a cross section view of an artery & vein. Note that one structure has much thicker walls than the other. Label these as either “artery” or “vein”, and below the diagram provide a brief explanation as to why this is significant.



4. (1 pt) As we all know, the color of our blood, as well as the blood of most animals, is bright red due to the fact that the primary component in hemoglobin (the molecule found in red blood cells that carries oxygen) is iron. However, some invertebrates have blood that is actually blue in color. Using either your textbook or other sources, explain why this is. Be sure to name any specifically relevant blood compounds in your answer (and cite your sources!)

4. (1 pt) In the sample graph space below, draw & label a normal EKG pattern (as seen on page 49 of your lab manual). Then in the chart on the right, match up each major cardiac event with its associated wave form.



<u>Cardiac Event</u>	<u>Associated Wave Form</u>
Contraction of ventricles	
Relaxation of ventricles	
Contraction of atria	