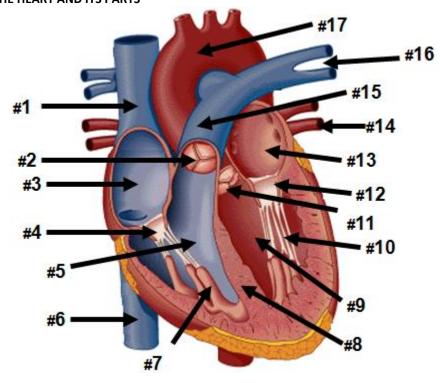
	Hour Date
Unit 4 Review: The Cardiovascular System Part 1 – Answer the following questions first on your own, and then look up the ones you can not 1. Where is the heart located?	
2. What is the apex of the heart?	
3. What are the 4 chambers of the heart?	
4. What are the 4 valves of the heart?	
5. What are the 4 vessels of the heart?	
6. What is the <i>endocardium</i> and how are endocarditis and thrombosis related to it?	
7. What is the <i>pericardium</i> ?	
8. Compare a thrombus, embolus and an embolism.	
9. What are the 3 types of embolisms that we have discussed?	
10. What is a stenotic valve? What is a valve prolapse?	
11. What is the difference between systemic circulation, pulmonary circulation and coronary circulation	ation?
12. What are the technical terms for the following?	
Heart attack	
Stroke	
Hardening of the arteries  Chest pain	
Enlargement of the heart	
Ballooning of a blood vessel	
High blood pressure	

13. What is an angioplasty? What is a stent?	
14. What is the difference between an artery, capillary and	vein?
15. What are the 5 levels of an artery/vein starting from th	e inside out?
16. What do veins have that arteries do not?	
17. Other than the heart pumping, what 2 methods do vein	is use to help blood go against the force of gravity?
18. What is plaque? What causes it?	
19. What is the average blood pressure for adults? What w	ould it have to be to be considered hypertension?
Part 2 - LOCATION, SIZE, AND POSITION OF THE HEART A Fill in <i>the</i> blanks.  1. The system that supplies our cells' transportation needs	
2. The or blunt point at the lower ed	
3. The divides	the heart into right and left sides between the atria.
4. The are the two upper chambers;	are the two lower chambers
5. The cardiac muscle tissue is referred to as the	
6. Inflammation of the heart lining is	
7. The two AV valves areand	
8. The two Semilunar valves are	and
9. The	attach the AV valves to the papillary muscles.
10. The line of arteries and veins that runs vertically on the	ventral surface of the heart is known as the
11. The are loca arteries that carry blood away from the heart when con	ted between the two ventricular chambers and the large traction occurs.
12. A is a condition caused when the flateaking of the valve.	aps of this valve extend back into the left atrium, causing
13	is cardiac damage resulting from a delayed
inflammatory response to streptococcal infection that of	occurs most often in children.

B. Pulmonary circulation C. Embolism G. Atherosclerosis D. Heart attack H. Hypertension 14. Treatment for certain coronary disorders 15. Movement of blood from the left ventricle through the body 16. Blood clot 17. Myocardial infarction 18. Abnormal heart sound often caused by disorders of the valves 19. Movement of blood from the right ventricle to the lungs 20. Hardening of the arteries 21. Severe chest pain 22. High blood pressure 23. Blood returns to the left atrium through these structures  Part 3 - APPLYING WHAT YOU KNOW 1. Your friend Monique, told you during lunchtime today that she has been diagnosed: a.) Describe this structural abnormality, b.) What might she experience? (symptoms) c.) Describe the possible effects on heart function d.) Include what steps the doctors may take if her condition is severe enough.  2. Your Uncle Raul is about to undergo coronary bypass surgery. His surgeon carefully condition and the surgical procedure to correct it, but your uncle was too upset to that he has calmed down a bit, he realizes that he has very little idea of what his "about. Since you just studied the heart in your anatomy and physiology class, you uncle the probable condition of his heart and explain the concept of the planned s  3. Freida's homework assignment was to be able to demonstrate knowledge of the flow body. Please help her. Trace the blood flow through the heart and body by numbe correct sequence. Start with number 1 for the right atrium and continue until you 1 Right atrium Pulmonary veins	
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Bicuspid valve Systemic Venules Systemic Arterioles Vena cava (Superior/Inferior) Right ventricle Left atrium	ering the following structures in the

## DRAW AND LABEL THE HEART AND ITS PARTS



1	<u>—</u>	
2	_	
3	_	
4		( 2 names)
5	_	
6	<u> </u>	
7	<u> </u>	
8	<u> </u>	
9	<u> </u>	
10		
11		
12		( 3 names)
13		
14		
15		
16		
17		