

## The Cardiovascular System, The Heart: Cardiac Cycle

1. Valves open in response to \_\_\_\_\_ on their two sides.
2. List the chambers/vessels that the four valves connect:

Chamber		Chamber/Vessel
	Pulmonary Semilunar	
	Aortic Semilunar	
	Bicuspid	
	Tricuspid	

3. a. Ventricular filling occurs during \_\_\_\_\_ ventricular \_\_\_\_\_.  
b. Blood flows through the \_\_\_\_\_ or \_\_\_\_\_ valves into the ventricles.
4. During Ventricular Systole, what closes the AV valves?
5. During Ventricular Systole, what opens the semilunar valves?
6. During Isovolumetric Relaxation, what closes the semilunar valves?
7. During Isovolumetric Relaxation, what opens the AV valves?
8. Why is hypertension hard on the heart?
9. During the four phases listed below, state whether the AV and semilunar valves are opened or closed:

	AV valves	Semilunar valves
Ventricular Filling		
Isovolumetric Contraction		
Ventricular Ejection		
Isovolumetric Relaxation		