The **cardiac cycle** is the sequence of events that occurs when the **heart** beats. As the **heart** beats, it circulates blood through pulmonary and systemic circuits of the body. There are two phases of the**cardiac cycle**. In the diastole phase, the **heart**ventricles are relaxed and the **heart** fills with blood.

Q.1. Answer the following questions:

1. At what point do AV valves open?
2. At what point do AV valves close?
3. When do the semilunar valves open?
4. When do the semilunar valves close?
5. What does the P wave represent?
6. What is the function of AV valves?

Q.2. Differentiate between arteries and veins.