

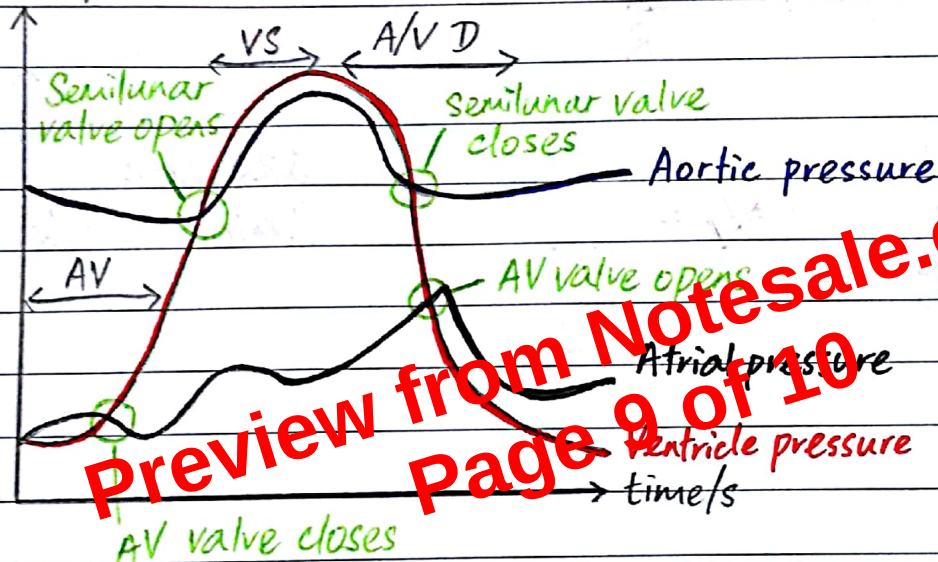
Atrial and ventricular diastole (0.4s)

- Both atrium and ventricle relaxes, pressure decreases. Semilunar valve closes, AV valves open. Blood starts to fill both atria from pulmonary vein and vena cava.

Atriums VS Left ventricle VS Right ventricle

Atriums	Left ventricle	Right ventricle
Thinner wall that generates low pressure	Thicker walls that generates high pressure	Thinner walls that generates low pressure
Only required to push blood to ventricles	Required to push blood over longer distance	Required to push blood over shorter distance
To ventricles	To body cells	To lungs

Pressure/kPa



Sino-atrial node (pacemaker)

Electrical coordination in heart

