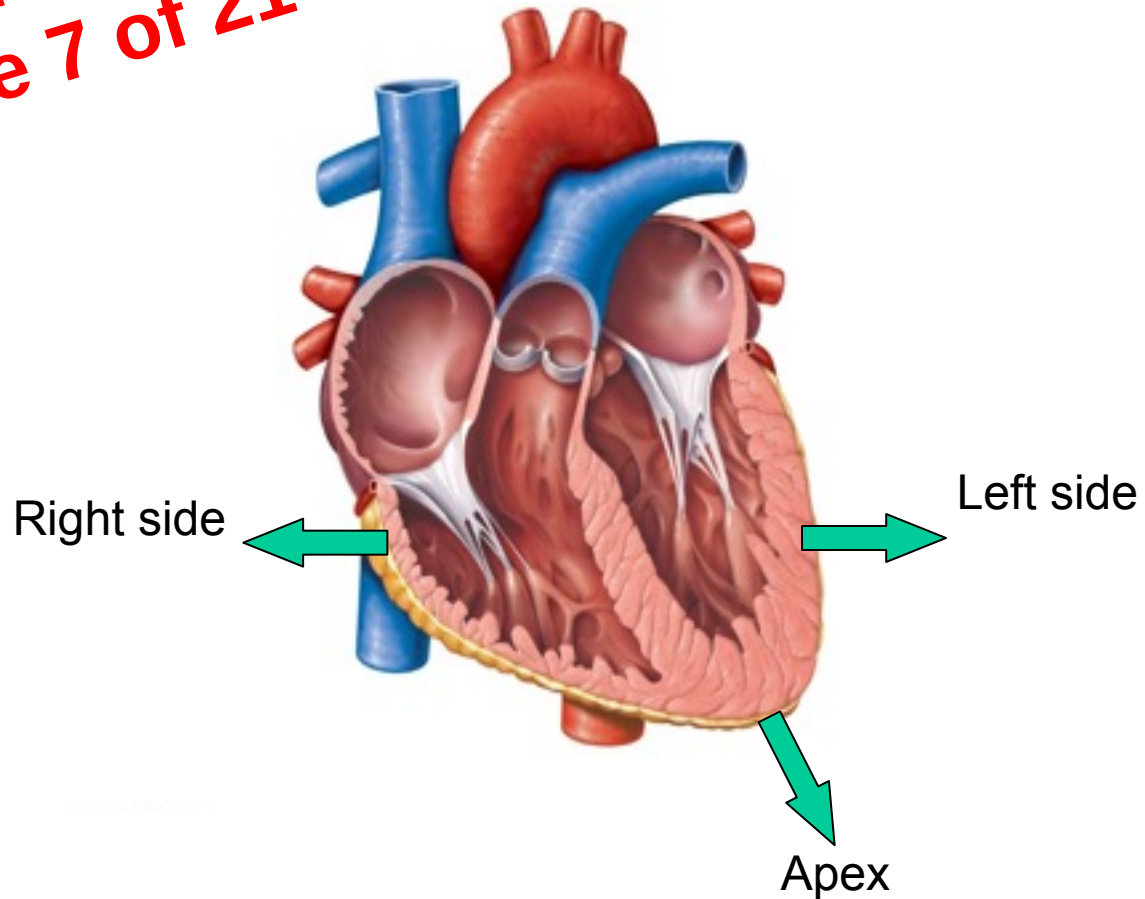


The Heart Anatomy

Heart Anatomy

Ten large blood vessels are attached to the heart

1. Superior vena cava
2. Inferior vena cava
3. Pulmonary trunk
4. Right pulmonary artery
5. Left pulmonary artery
6. Two Right pulmonary veins
7. Two Left pulmonary veins
8. Aorta



Operation of AV Valves

- Blood entering atria puts pressure on AV valves
- Valves forced open
- Ventricles fill
- Atria contract forcing rest of blood into ventricles

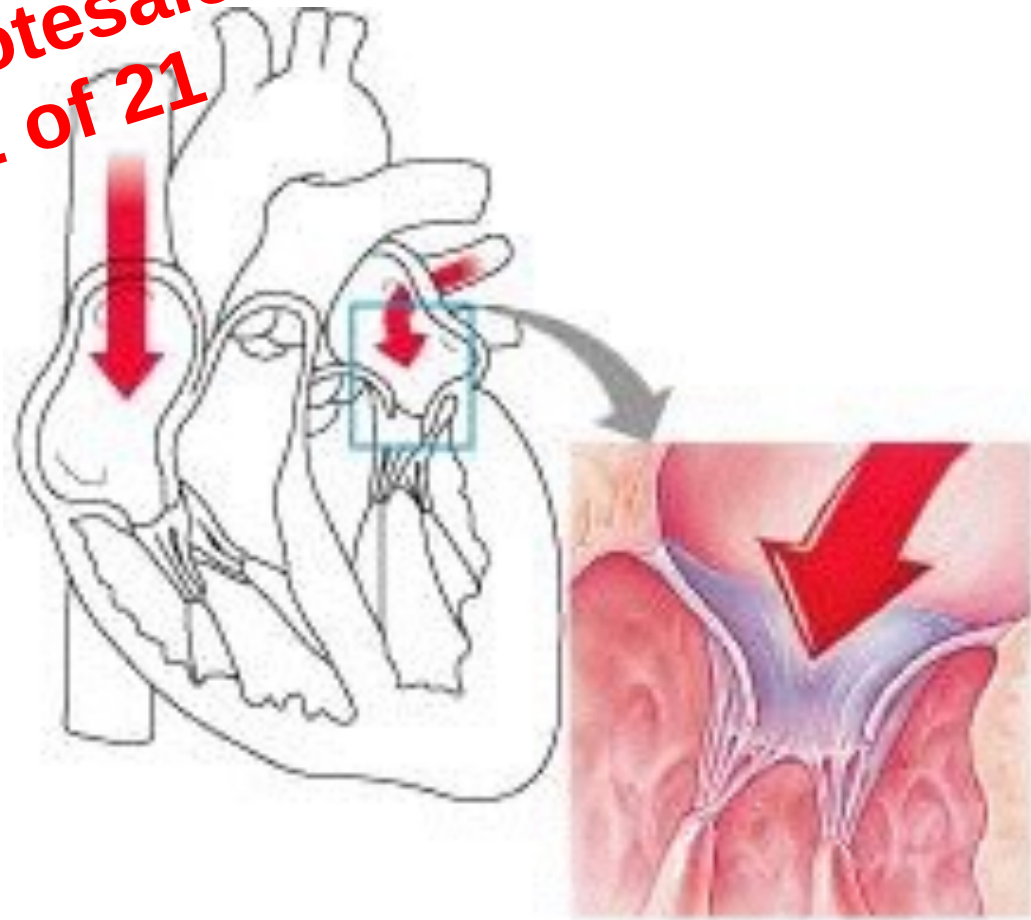


Figure 11.4

The Heart: Conduction System

Consists of:

1. Sinoatrial node (SA node)
 - Pacemaker (sends signal)
2. Atrioventricular node
 - causes atria to contract
3. Atrioventricular bundle
4. Bundle branches
5. Purkinje fibers
 - causes ventricles to contract

