

The Heart

Chapter 12

1. Heart Essential Function (Page 259)
2. Location (Page 259 - 260)
 - A. Thorax
3. Pericardium (Page 260)
 - A. Visceral Pericardium
 - B. Parietal Pericardium
 - C. Pericardial Cavity
 - D. Pericardial Fluid
4. Heart Wall (Page 261)
 - A. Tissues
 - i. Endocardium
 - ii. Myocardium
 - iii. Epicardium

5. Heart Structure (Page 261 - 263)

- Interventricular Septum

A. Chambers

- i. Right Atria
- ii. Right Ventricle
- iii. Left Atria
- iv. Left Ventricle

B. Valves (Page 261 - 263)

- i. Atrioventricular Valves
 - Chordae Tendineae
 - Papillary Muscles
 - a. Tricuspid Valve
 - b. Bicuspid Valve
- ii. Semilunar Valves
 - a. Pulmonary Semilunar Valve
 - b. Aortic Semilunar Valve

6. Cardiac Cycle (Page 266 - 268)
 - A. Cardiac Cycle Phases
 - i. Systole
 - ii. Diastole
 - B. Blood Flow
 - C. Pressure Issues
 - D. Valve Closure and Heart Sounds
 - i. First and Second Heart Sounds

7. Electrical Conduction System (Page 267)
 - A. Sinoatrial Node
 - B. Internodal Path
 - C. Atrioventricular Node
 - D. Atrioventricular Bundle
 - E. Purkinje Fibers

8. Electrocardiogram (ECG or EKG) (Page 268)



9. Heart Regulation *Pull out handout on Cardiac Regulation*

Do the following on your own:

10. Heart Disorders (Pages 286)

- A. Heart Failure
- B. Heart Murmurs
- C. Myocardial Infarction