

Day 17 – 4/9/14

Student Learning Objectives

By the end of this class you will be expected to understand:

- The path of blood through the body
- The basic functions of the blood vessels of the body
- The purposes of the four chambers of the heart
- The cardiac cycle and how it can be measured through EKG and pressure

Support videos:

- Heart Anatomy
 - <http://www.youtube.com/watch?v=MduG0mbW09A>
 - <http://www.youtube.com/watch?v=ABTvNR59K5Q>
- Bill Nye the Science Guy
 - <http://www.youtube.com/watch?v=obKy7UrqDMk>

Assigned reading:

- Chapter 8: p162-176

Vocabulary:

- Circulatory system
 - Artery
 - Vein
 - Valve
 - Capillary
 - Inflammation
- Heart
 - Atrium
 - Right atrium
 - Left atrium
 - Ventricle
 - Right ventricle
 - Left ventricle
 - Septum
 - Aorta
 - Pulmonary circuit
 - Systemic circuit
 - Coronary arteries
- Cardiac cycle
 - Systole
 - Diastole
 - Sinoatrial (SA) node
 - Atrioventricular (AV) node
 - Electrocardiogram (ECG/EKG)
 - Systolic pressure
 - Diastolic pressure