

Lab 9 – 4/21/14

Learning Objectives

By the end of this lab you should understand:

- The anatomy and physiology of the heart
- The path of blood through the heart and body
- The technique of manually measuring heart rate and blood pressure

Key facts:

- There are two paths of blood through the body: the pulmonary circuit and the systemic circuit
- The heart pumps blood through arteries, and blood returns to the heart through the veins

Key skills:

- Identify the parts of the heart
- Determine and evaluate a person's heart rate and blood pressure

Lab Procedure:

- Exercise #15: Heart
 - Activity #1: Heart Anatomy
 - Activity #2: Blood flow
 - Activity #4: Heart rate
 - Activity #5: Blood pressure
- Individual Lab credit: Describe the path of blood through the body
- Group Lab credit: successfully take everyone's heart rate and blood pressure

Sample lab exam questions:

- True/False: The blood in all arteries is oxygenated
- Identify which of these is the left ventricle
- Which of these chambers, when contracting, squeezes blood into the lungs?
- What structure is the labeled structure that divides the heart in half?
- A nurse records your blood pressure as 180/80. Does this seem likely? Why or why not?