Pre-Activity Worksheet: Cardiac Clinic

**General Description**
In the activity you will do this week during your learning/discussion group, you will be examining the morphology and functioning of the circulatory system. In order to be prepared for this activity, complete this worksheet.

**Reading**
Browse the “Circulation and Gas Exchange” chapter in your text. Pay particular attention to figures 42.3, 42.4, 42.5, 42.7, and 42.9. Read the section on Circulation in Animals beginning on pg. 871.

**Definitions**
Write a definition of the following words. Use your text, textbook glossary, and your previous knowledge to create the best definition possible. Remember to connect your definitions to circulation.

1) double circulation

2) cardiac cycle

3) blood pressure

4) cardiovascular disease (and examples)

**Questions**
Answer the following questions. You will explore your answers to these questions in-depth during learning/discussion group.

1) Which ventricle in the mammalian heart is more important to heart function? Why?

2) Name three functions of the circulatory system.

3) Athletes generally have lower blood pressures and lower pulses than non-athletes. Explain the connection between pulse and blood pressure and why athletes are lower in both measures.