Label the parts of the heart using the correct anatomical labels below:

- Right Atrium
- Tricuspid Valve
- Left Atrium
- Pulmonary Semilunar Valve
- Left Ventricle
- Papillary Muscles
- Right Ventricle
- Bicuspid/Mitral Valve
- Aortic Semilunar Valve
- Aorta
- Pulmonary Artery
- Superior Vena Cava
- Inferior Vena Cava
- Pulmonary Veins
- Pulmonary Trunk
- Chordae Tendineae
Complete Cardio

Instructions: Complete each fact about the cardiovascular system using terms from the Word Bank

Word Bank
alveoli       arteries       atria
capillaries  chambers     hypertension
pulmonary circulation systemic circulation veins

1. The heart has four _______________ that are enclosed by thick, muscular walls.

2. The upper part of the heart is made up of two chambers, called the right and left _______________, which receive the blood entering the heart.

3. The bottom part of the heart is divided into two chambers, called the right and left _______________, which pump blood out of the heart.

4. _______________ is a short loop from the heart to the lungs and back again.

5. _______________ sends blood from the heart to all the other parts of the body and back again.

6. Blood vessels that carry blood away from the heart are called _______________.

7. Blood vessels that carry blood back to the heart are called _______________.

8. A network of tiny _______________ connects the arteries and veins, delivers nutrients and oxygen to the cells, and removes waste products such as carbon dioxide.

9. In the lungs, gases are exchanged between capillary walls and millions of tiny air sacs called _______________.

10. High blood pressure is also called _______________.

1) Describe the path of a red blood cell as it enters and leaves the heart. Include all the structures it, organs, and blood vessels it passes through.

2) BLOOD VESSELS?!? Briefly describe the and contrast the structure and function of the following blood vessels:

   Arteries:
   Arterioles:
   Capillaries:
   Venules:
   Veins:

3) Define these common diseases and how they relate to the circulatory system:
   a. High Blood Pressure =
   b. Heart Attacks =
4) Describe the changes in your blood flow that occur when:

a. When you go from a hot environment to a cold one:

b. When you go from rest to exercise:

5) Take your HEART RATE!

a. At rest:

b. After completing 10 jumping jacks, 10 squats, and running in place for 15 seconds:

c. What happened to your heart rate between rest and exercise? Why?