Cardiovascular system worksheet
ANS 214 SI September 4th 2019

Fill in the blanks

1. The                      is the most common cell type in blood, and the                are the least common.

2. We talked about different types of capillaries in lecture.                      capillaries are the most abundant.

3. The                          capillaries have the largest openings.

4. The tricuspid and bicuspid are the valves between the and the .

5. The carry blood to the heart and carry blood away from the heart.

6. The                          System carries blood to and from the lungs and the system carries blood to and from the body.

7. Contractile cardio myocytes have which prevent them from being over stimulated and interring tetanus.

Short answer

1. What is the initiator of the intrinsic conducting system?

2. What is the difference between hydrostatic pressure and osmotic pressure? What are some problems if the osmotic pressure is wrong?

3. What are the three types of capillaries? Where are they found? What is the biggest difference between the types?

4. Follow blood through the heart, list the order. Draw a diagram showing this movement.
5. Follow the electrical signal of the intrinsic conducting system. What side does it start on?

6. Draw (an estimate) a tube of blood that has been spun down and label.

7. Where are the semilunar valves located?

8. What are the two cardio myocytes we talked about in class? What percent of the heart is made of each?

9. What cardio myocyte has an unstable resting membrane potential? Why is this important?

10. What is used to carry electrical signals through the heart?

11. What are the three components of stroke volume?