**Chapter 4 Review**

**Directions: Answer the questions using your book to help you.**

1. What sends out signals that make the heart muscle contract?
   1. Ventricle
   2. Pacemaker
   3. Valve
   4. Artery
2. The heart, blood vessels, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ make up the cardiovascular system.
3. Which chambers of the heart below are the ventricles? Through which chamber does oxygen poor blood enter the heart? (look @ diagram on p. 129, #3)

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1. Predict some babies are born with a hole between the left and right atria. How would this heart defect affect the ability of the cardiovascular system to deliver oxygen to body cells?

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1. Nutrients are exchanged between the blood and body cells in the
   1. Capillaries
   2. Veins
   3. Aorta
   4. Arteries
2. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in your body carry blood back to the heart.
3. Read the graph on p. 129 (#8) and answer the following question: What is the difference in blood pressure for women from ages 24 to 44?

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1. Read the graph on p.129 and answer the following question: At age 20, are men or women more likely to have higher blood pressure?

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1. Read the graph on p.129 and answer the following question: In general, what happens to blood pressure as people age?

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1. Blood components that help the body to control bleeding are
   1. Hemoglobin
   2. Red blood cells
   3. White blood cells
   4. Platelets
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ contain hemoglobin.

12) What is the role of plasma in the blood?

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1. Is it safe for a person with blood type O – receive a blood transfusion from type A – blood? Explain.

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1. What happens to lymph after it travels through the lymphatic system?

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1. How do platelets stop bleeding from a cut?

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1. Cholesterol is a waxy substance that is associated with
   1. Lymph nodes
   2. White blood cells
   3. Atherosclerosis
   4. Plasma
2. Elevated blood pressure is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Give two reasons why food choices are important to cardiovascular health.

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1. A red blood cell is moving through an artery in your leg. Describe the path that the blood cell will follow back to your back. Also, discuss one feature of the veins that helps move the cell through this path.

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1. Which statement below correctly describes the diagram on p. 131?
   1. Blood Vessel A carries blood to the heart.
   2. Blood Vessel A is where a pulse can be measured.
   3. Blood Vessel B is where diffusion takes place.
   4. Blood Vessel B carries blood to the lungs.
2. The most important function of the cardiovascular system is to
   1. Transport needed materials to body cells and remove wastes.
   2. Provide structural support for the lungs.
   3. Generate blood pressure so the arteries and veins do not collapse.
   4. Produce blood and lymph.
3. Which of the following is true about blood in the aorta?
   1. The blood is going to the lungs.
   2. The blood is dark red in color.
   3. The blood is rich in oxygen.
   4. The blood is going to the heart.
4. What will happen in the lymphatic system when a person gets an infection?
   1. Lymph becomes thicker and moves slower.
   2. Lymph nodes release more white blood cells to fight disease.
   3. Lymph does not return to the blood stream.
   4. Lymph nodes filter out the bacteria in lymph.
5. The correct sequence for the path of blood through the body is:
   1. Heart-Lungs- Other body parts
   2. Lungs-Other body parts-Heart
   3. Heart-Lungs-Heart-Other body parts
   4. Heart-Other body parts-Lungs-Heart

\*\* Know key terms and parts of blood! \*\*