**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_**

**Go with the Flow**

1. Below are the steps involved in the pumping action of the heart, but they are not in correct sequence. Put them in order, numbering them from 1 to 9.

\_\_\_\_ Blood will then move through the **ARTERIES**, then through **CAPILLARIES**, and then return through the **VEINS**.

\_\_\_\_ The **RIGHT VENTRICLE** then pumps blood through the **PULMONARY ARTERY** into the lungs.

\_\_\_\_ The **RIGHT ATRIUM** contracts and pumps the blood through the tricuspid valve and into the **RIGHT VENTRICLE**.

\_\_\_\_ The left side of the heart contracts the strongest to send blood out the **LEFT VENTRICLE** and through the **AORTA** on its way to all parts of the body.

\_\_\_\_ Oxygenated blood then flows through the **PULMONARY VEIN** and into the **LEFT ATRIUM**.

\_\_\_\_ Deoxygenated blood (blood without oxygen) will then return to the heart and the cycle repeats

\_\_\_\_ In the lungs, tiny blood vessels called **CAPILLARIES** absorb carbon dioxide from the blood and replace it with oxygen.

\_\_\_\_ Oxygenated blood then pumps through the mitral valve and into the **LEFT VENTRICLE**.

\_\_1\_ Blood that has circulated through the body, which has lost its oxygen and collected carbon dioxide, enters through the **VENA CAVA** into the **RIGHT ATRIUM** of the heart.

1. Match the function with the correct structure.

\_\_\_\_ right atrium a. large vessels that take blood away from the heart to the body

\_\_\_\_ left ventricle b. carry deoxygenated blood to the lungs from the heart

\_\_\_\_ left atrium c. contracts and pumps deoxygenated blood into right ventricle

\_\_\_\_ right ventricle d. large vessels that bring deoxygenated blood to the heart

\_\_\_\_ pulmonary veins e. smallest of blood vessels where substance exchange happens

\_\_\_\_ veins f. contracts and pumps oxygenated blood into left ventricle

\_\_\_\_ arteries g. contracts and pumps oxygenated blood to the body

\_\_\_\_ capillaries h. bring oxygenated blood from the lungs to the heart

\_\_\_\_ pulmonary arteries i. contracts and pumps deoxygenated blood to the lungs

1. Answer the following questions in complete sentences.
	1. What are the four main parts of the circulatory system? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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	2. Compare and contrast the three types of blood vessels. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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