Name: Date:

Section: 702 Subject: Science

**Circulatory System Video Notes KEY**

1.) When your body is working hard, your **lungs** have to work harder to get **oxygen** through your body.

2.) Veins carry blood **to** the heart.

3.) Arteries carry blood **away** from the heart.

4.) 4.) You need blood everywhere. From the top of your head to your toes. Arteries and veins called **blood vessels,** are how the blood gets there and back again.

5.) Your body is made of tiny cells that all need **oxygen**. It’s your **blood’s** job to bring oxygen to every part of your body.

6.) How does oxygen get in the blood?

 a.) The **lungs** bring oxygen into the body when you breathe.

 b.) From there it has to find its way to every other part of your body and the **blood** is its delivery service.

 c.) The heart pumps blood to the lungs to pick up and then pumps the **oxygenated** blood out to the rest of the body.

 d.) After the blood has delivered all the oxygen, it picks up **carbon dioxide**, a waste product.

 e.) Then it goes back to the **lungs** to drop off the carbon dioxide and pick up more oxygen.

 f.) And the whole process begins again.

7.) The human heart is only about the size of a **fist.**

8.) What are the four chambers of the heart?

**- left atrium, right atrium, left ventricle, right ventricle**

9.) Pathway of blood through the heart:

 a.) We start of at the **right atrium** where the blood **enters** the heart.

 b.) From there we follow the blood through the tricuspid valve to the **right ventricle.** Valves keep blood flowing in the right direction.

 c.) Next, it goes through the pulmonary valve into the **pulmonary arteries** up to the **lungs.** That’s where the blood gets loaded up on oxygen. Blood is fully oxygenated.

 d.) Blood comes back through the **pulmonary vein** into the **left atrium.**

 e.) Then at last through the mitral valve into the **left ventricle.**

 f.) The oxygen rich blood leaves through the **aorta.**