Name: Date:

Section: 702 Subject: Science

**Circulatory System Video Notes**

1.) When your body is working hard, your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have to work harder to get \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through your body.

2.) Veins carry blood \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the heart.

3.) Arteries carry blood \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from the heart.

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

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

6.) How does oxygen get in the blood?

 a.) The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is its delivery service.

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

 d.) After the blood has delivered all the oxygen, it picks up \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a waste product.

 e.) Then it goes back to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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

9.) Pathway of blood through the heart:

 a.) We start of at the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ where the blood \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the heart.

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

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

 d.) Blood comes back through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 e.) Then at last through the mitral valve into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 f.) The oxygen rich blood leaves through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.