

Grade 5 – Assignment for week of (4/6 to 4/9)

Learning more about our Circulatory System:

Last week we focused on part of the circulatory system, which pumps and helps move the blood throughout the body, by studying the heart and the different types of blood vessels. This week we will look at how the heart and lungs must work together.

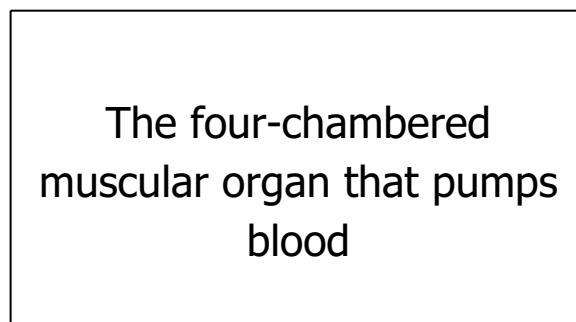
Science Vocabulary:

Circulatory System:	How food, water, and air travel to every cell in the body
Heart:	The four-chambered muscular organ that pumps blood
Pulmonary Artery:	Artery that carries blood (with CO ₂) from the heart to the lungs
Pulmonary Vein:	Vein that carries blood (w/O ₂) from the lungs back to the heart
Lungs:	Body organs that breathe in (O ₂), and breathe out (CO ₂)

Task #1: Making Word Cards

Using the science vocabulary, choose (3) words that you would like to make word cards for. The word card will have the word on the front and a picture of the word. You can use google images if you are not sure what the vocabulary word looks like. On the back of the word card you will write a definition or what the word means. You can use any paper and fold it into four parts. Study your word cards and have someone test you.

Example:



Task #2:

Observe the picture and read the text on the bottom of the next page entitled "Heart & Lungs Diagram." After you have studied the picture and have read the text, complete the following:

1. List the names of the four chambers (parts) of the heart.

2. Circle the letter showing the correct order of the blood as it travels through the heart and lungs:

- a) Right Ventricle Right Atrium Lungs Left Ventricle Left Atrium
- b) Right Atrium Left Atrium Lungs Right Ventricle Left Ventricle
- c) Right Atrium Right Ventricle Lungs Left Atrium Left Ventricle
- d) Left Atrium Left Ventricle Lungs Right Atrium Right Ventricle

3. Which blood vessel carries blood (w/O₂) from the lungs back to the heart?

4. Which blood vessel carries blood (with CO₂) from the heart to the lungs?

5. About how much blood does your heart pump every day?

6. About how many times does your heart beat every day?

Task #3:

With the help of your science vocabulary and what you learned today complete the following:

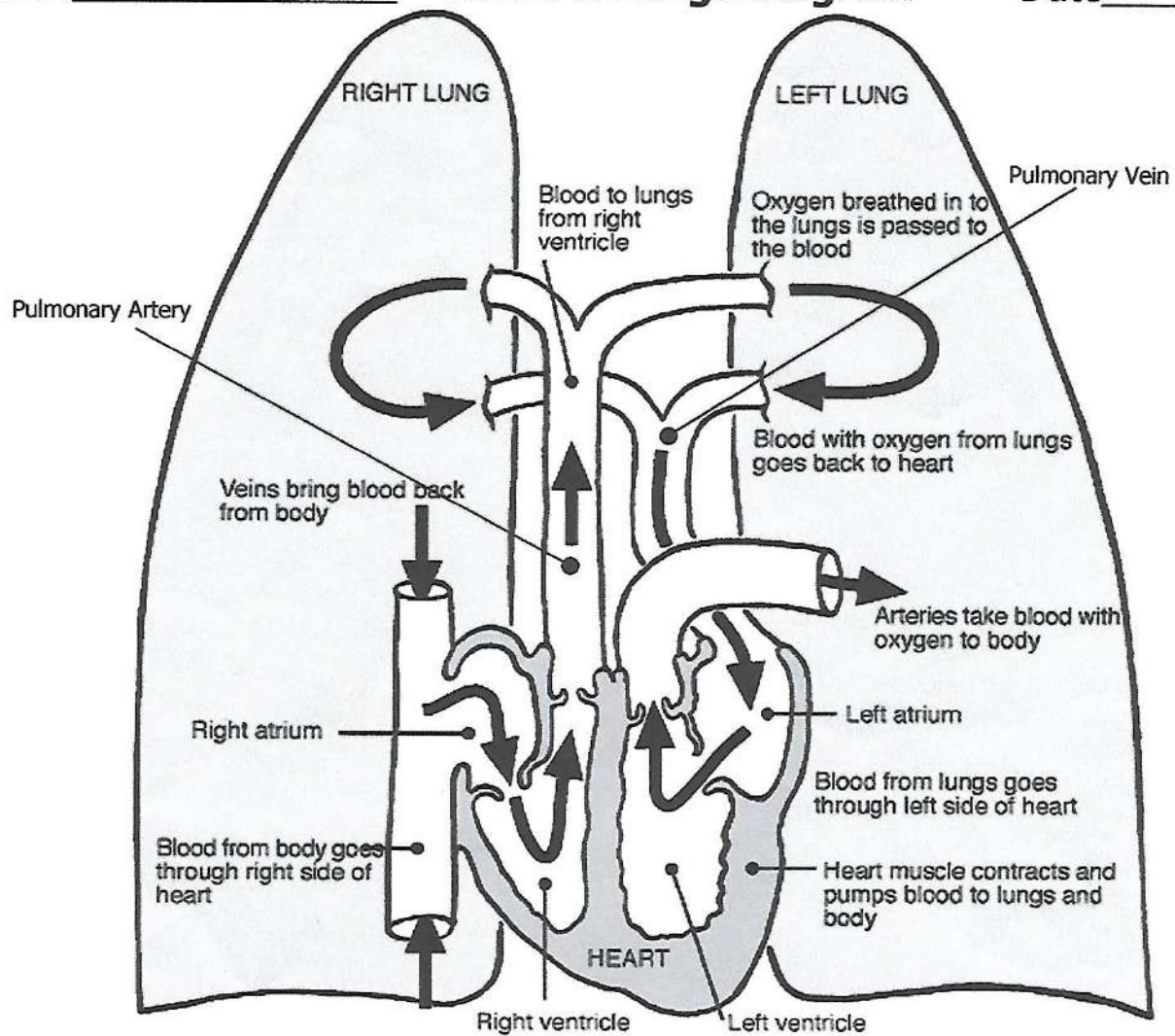
7. With the help of your science vocabulary, write a sentence to explain how your heart and lungs work together:

8. With the help of your science vocabulary, write a sentence to explain why you think your heart is important?

Name _____

Heart & Lungs Diagram

Date _____



Normal blood flow of heart and lungs

- ♥ The heart is a fist-sized, muscular organ that pumps blood through the body.
- ♥ Blood from the body, needing oxygen, comes into the right atrium of the heart.
- ♥ This blood is pumped into the right ventricle of the heart.
- ♥ The pulmonary artery carries this blood to the lungs to get some oxygen.
- ♥ Blood from the lungs, that has oxygen, is carried by the pulmonary vein.
- ♥ This blood is carried into the left atrium and is pumped into the left ventricle.
- ♥ Arteries take the blood with oxygen, and carry it to all the parts of the body.
- ♥ Everyday, the heart pumps about 2,000 gallons of blood.
- ♥ The heart beats about 100,000 times a day.