

Grade 5 – Assignment for week of (3/30 to 4/3)

Learning more about our Body Systems:

Last week we learned that our digestive system helps us get nutrients into the blood to power our cells. This week we will focus on the circulatory system which pumps and helps move the blood throughout the body.

Science Vocabulary:

Circulatory System:	How food, water, and air travel to every cell
Heart:	Four-chambered muscular organ that pumps blood
Arteries:	Vessels that carry blood (w/O ₂ & nutrients) away from heart
Veins:	Vessels that carry blood (with CO ₂) back to heart
Capillaries:	Tiny blood vessels that give O ₂ and nutrients to cells; they connect arteries and veins

Task #1:

Choose (3) of the science vocabulary words, and create word art. Word art is where you use the vocabulary word and drawing to show what the word means.

See below an example for the word **heart**:



Task #2:

Read the next page entitled "Blood Vessels," and focus on how the science vocabulary words **heart**, **arteries**, **veins**, and **capillaries** are explained.

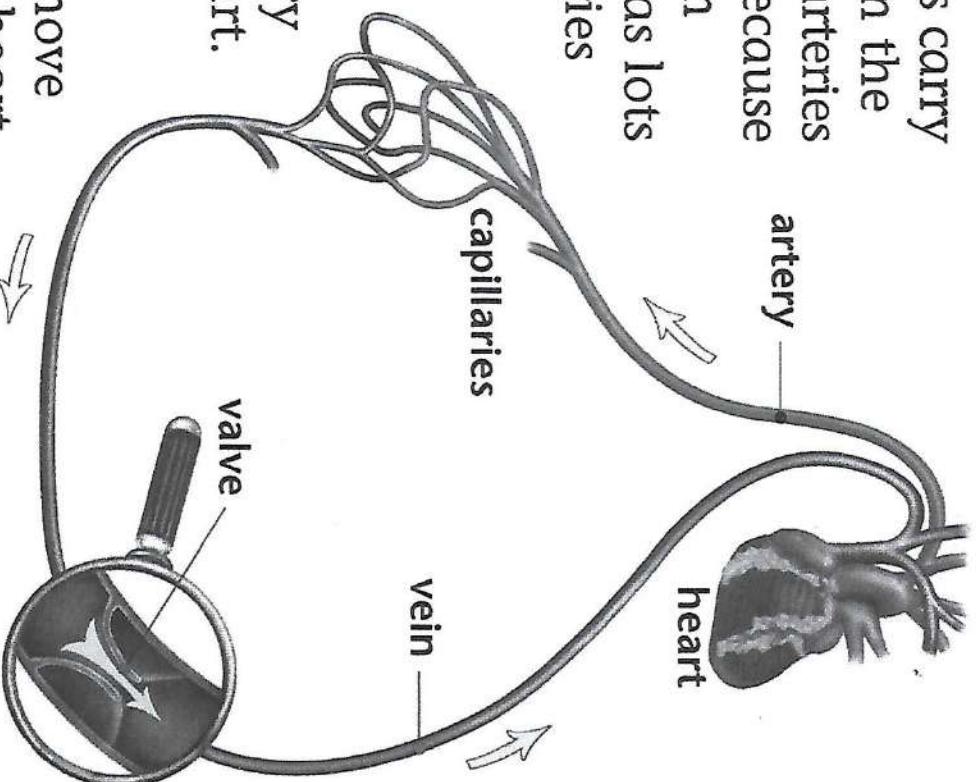
Name _____

Date _____

Blood Vessels

Arteries Arteries carry blood away from the heart. Blood in arteries is brighter red because it has come from the lungs and has lots of oxygen. Arteries bring oxygen and nutrients to all parts of the body.

Veins Veins carry blood to the heart. Veins have one-way valves that allow blood to move only toward the heart.



Capillaries
Capillaries are very small pathways for blood. When blood flows through capillaries, it gives oxygen and nutrients to the cells in your body. Blood also picks up carbon dioxide and other waste.

Task #3:

After reading the "Blood Vessels" page, use the word box to fill in the blanks in the following sentences:

<u>Word Box</u>		
Blood	Valves	Arteries
Oxygen	Capillaries	Veins

1. _____ carry blood to the heart.
2. When blood flows through _____, it gives _____ and nutrients to the cells in your body.
3. _____ carry blood away from the heart.
4. Veins have one-way _____ valves that allow blood to move only toward the heart.
5. _____ also picks up carbon dioxide and other waste.

Task #4:

So far you have learned some new vocabulary and have studied a diagram explaining the job of the different types of blood vessels. Thinking about what you already know... share with a parent or guardian or think to yourself:

How are the arteries that carry blood away from the heart connected to the veins that bring blood back to the heart?

Why do we call the system we are learning about the circulatory system?

What size do you think the blood vessels called capillaries are? Why?

What do you think the cells do with the oxygen and nutrients they get from the blood in the capillaries?