Unit 1 /The Human Body

Name :		Subject:	**The Circulatory System**
Class:	**Fifth Grade**	Date:	

*When two or more organs in the body work together to carry out tasks, it is called a **body system**.

*An important body system is the circulatory system, which includes:

1-The Heart: (which is a special muscle that contracts to pump blood all over the body).

*Each time your heart beats, you can feel it as **pulse** on some parts of your body.

The pulse you feel is the blood rushing through your blood vessels.

2-**Blood vessels:** are a complex network that covers every part of the body.

There are 3 types of blood vessels:

a-Arteries: carry blood **away from the heart** to the capillaries.

b-Capillaries are tiny blood vessels that **deliver** water, oxygen and nutrients to the body cells.

c-Veins: carry **blood away** from the capillaries and **back to the heart**.

3-Blood: is a **red liquid** that delivers oxygen and nutrients to the cells of your body, and also carries away waste products.

*Your heart is part of the circulatory system. It is a strong muscle that is inside your chest, little to the left of the center. It contracts and relaxes to bump blood around the body.

The process is happening all the time, but there are six stages:

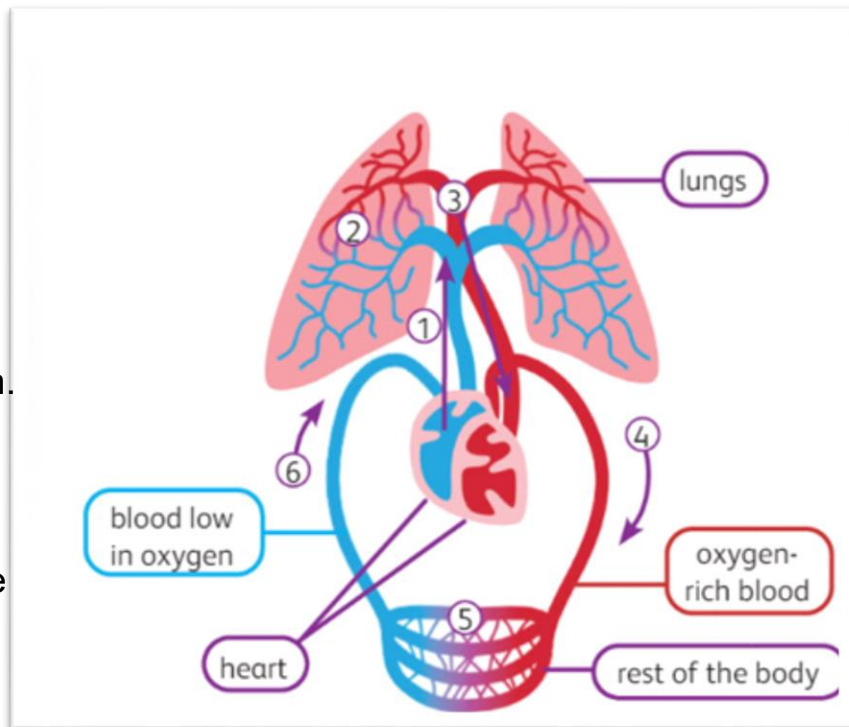1-Your heart pumps blood to your lungs.

2-In the lungs, the blood picks up oxygen From the air that you have breath in.

3-The oxygen-rich blood travels back to The heart.

4-The heart gives the blood a second push. This time, the blood travels to all the other parts of the body.

5-The blood gives oxygen to the rest of the Body.

6-The blood, which is now low in oxygen, Travels back to the heart. The process begins again.

*Animals that have backbones are called vertebrates. Humans are one type of vertebrate. Across the animal's kingdom, there are lots of different vertebrates. Many have circulatory systems similar to humans.

Examples:

Cat, lion, horse and birds .