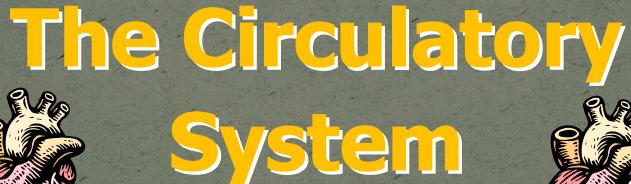
Chapter 3 – Human Body Systems Lesson 4 –





How are materials transported through your body?
The circulatory system is the "delivery system" of the body.
The main organ of the system is the heart.



4 chambers in the heart

How are materials transported through your body?
Arteries carry oxygenated blood away from the heart.

• Veins carry blood <u>back to</u> the heart.

How can systems work together? The circulatory and respiratory systems work together.



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Heart to Lungs

1. Veins bring blood with carbon dioxide to the right side of the heart. 2. The blood is pumped through an artery to the lungs. **3.** In the lungs, blood drops off carbon dioxide and takes in oxygen.

Heart to Lungs

4. Veins bring oxygen-rich blood to the left side of the heart. It is pumped out to the body through a main artery called the aorta. What is blood? • **Blood** is made of liquid and cells. Plasma – carries nutrients Red blood cells – carry oxygen and carbon dioxide White blood cells – fight germs • Platelets – help blood clot

How do vessels and values work? Values in veins and the heart keep blood from backing up in the wrong direction.

ONE WAY

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