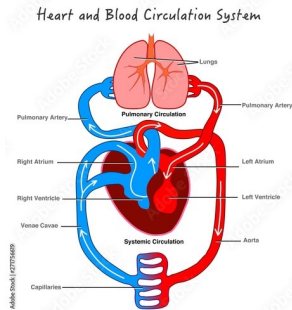


Science Topic Key Learning

Diagrams and Images



Vocabulary / Key Terms

Circulatory System	The system that circulates the blood around your body.
Artery	Muscular-walled tubes by which blood is conveyed from the heart to the body.
Veins	Tubes carrying in most cases oxygen-depleted blood towards the heart.
Aorta	The main artery of the body, supplying oxygenated blood to the circulatory system.
Ventricle	Each of the two chambers of the heart.
Oxygenated Blood	The oxygen-carrying blood carries oxygen to all cells and tissues of the body.
Lungs	Either of the two large organs of respiration located in the chest cavity and responsible for adding oxygen to and removing carbon dioxide from the blood.
Deoxygenated Blood	Blood with a reduced oxygen concentration as compared to blood departing the lungs.
Blood Vessels	A tubular structure carrying blood through the tissues and organs

Important Facts / People

Your heart is really a muscle. It's located a little to the left of the middle of your chest, and it's about the size of your fist.

Your heart is sort of like a pump, or two pumps in one. It pumps blood around your body. Blood provides your body with the oxygen and nutrients it needs. It also carries away waste.

The right side of your heart receives blood from the body and pumps it to the lungs.

The left side of the heart receives blood from the lungs and pumps it out to the body.

Before each beat, your heart fills with blood. Then it contracts to pump the blood along. When the heart contracts, it squeezes — try squeezing your hand into a fist. That's sort of like what your heart does so it can pump the blood.

Movement of blood through the heart and around the body is called circulation and your heart is really good at it — it takes less than 60 seconds to pump blood to every cell in your body.

You can find your pulse by lightly pressing on the skin anywhere there's a large artery running just beneath your skin. Two good places to find it are on the side of your neck and the inside of your wrist, just below the thumb.

Useful websites: <https://www.bbc.co.uk/bitesize/topics/zcyycdm/articles/z9w9r2p>