

Animals Including Humans

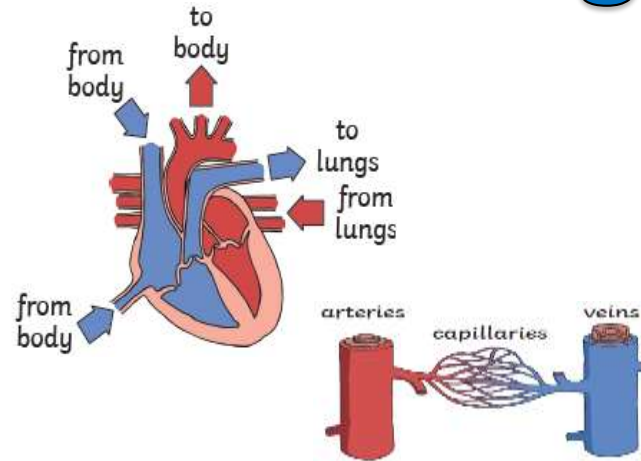
Vocabulary



Veins VS Arteries

The blood moves through many tubes called **arteries** and **veins**, which together are called blood vessels. These blood vessels are attached to the heart. The blood vessels that carry blood away from the heart are called **arteries**. The ones that carry blood back to the heart are called **veins**.

When blood moves through the lungs, it becomes oxygenated. This blood is then transported around the body.



What is oxygenated blood?

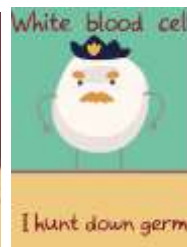
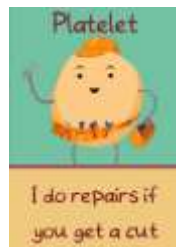
Blood that comes from the lungs to the heart then to the body. It is transported around the body by the arteries.

What is de-oxygenated blood?

Blood that comes from the body to the heart then to the lungs. It is transported around the body by the veins.

What is blood made up of?

- Red blood cells
- White blood cells
- Platelets
- Plasma (a liquid which carries the cells and transports nutrients)



Heart	A hollow muscular organ that pumps blood through the circulatory system.
Lungs	A pair of organs situated within the ribcage where oxygen can pass into the blood and carbon dioxide can be removed.
Circulatory System	The system that circulates blood through the body. This includes, the heart, blood vessels and blood.
Oxygen	A chemical that is key for respiration (breathing). When you exercise, your body needs more oxygen.
Carbon dioxide	A chemical that is released when humans and animals breathe out.
Arteries	Muscular-walled tubes that transport oxygenated blood from the lungs, to the heart and to the rest of the body.
Veins	Tubes forming part of the circulatory system, carrying de-oxygenated blood to the heart.
Capillaries	The smallest blood vessels where the exchange of water, nutrients, oxygen and carbon dioxide takes place.
Blood Vessels	A tubular structure carrying blood through the tissues and organs. Veins, arteries and capillaries are the three types of blood vessels.
Nutrients	Substances that animals need to stay alive and healthy.