

What I have learnt already

Year 3	How nutrients, water and oxygen are transported in animals.
Year 3	The skeletal system of a human.
Year 4	The parts of the human digestive system.

Vocabulary (Words I need to know)

 circulation	Transporting substances around the body.	 vein	Carry deoxygenated blood back to the heart.
 heart	The organ that constantly pumps blood around the circulatory system.	 capillary	Very small, connect the veins and arteries to the body.
 lungs	The organ where air is drawn in and oxygen enters the blood.	 oxygenated	Blood with more oxygen, pumped from the heart to the rest of the body.
 blood vessels	Veins, arteries and capillaries: the tube-like structures that carry blood through the tissues and organs.	 deoxygenated	Blood with less oxygen, as it has already been transferred to the body.
 artery	Carry oxygenated blood away from the heart.	 nutrients	Substances that living things need to stay alive and healthy.

Facts I need to learn now

Your circulatory system is made up of three parts: the heart, blood vessels and the blood itself.

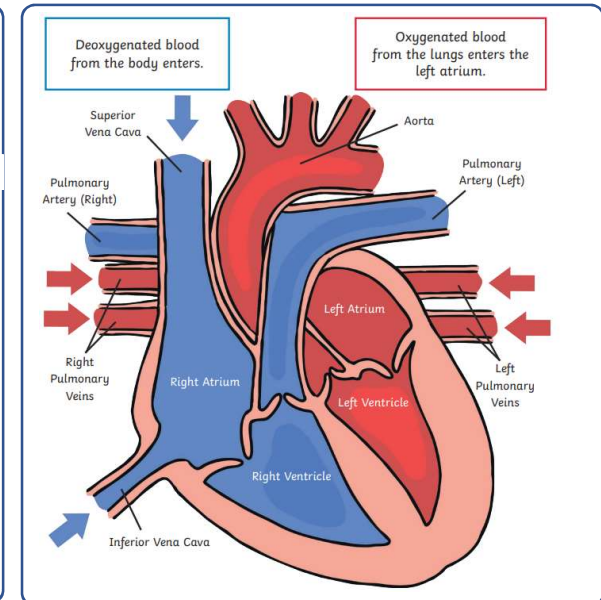
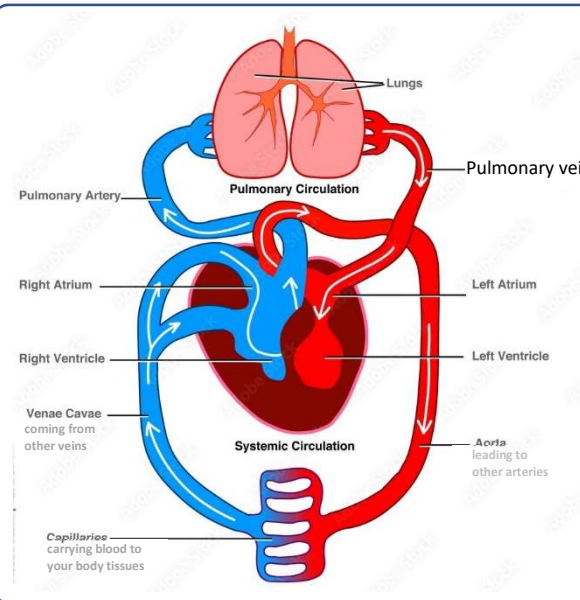
Your heart keeps all the blood in your circulatory system flowing. The blood travels through a network of blood vessels to everywhere in your body.

Blood carries useful materials like oxygen, water and nutrients, and removes waste products like carbon dioxide.

Blood is made of different substances: plasma, red blood cells, platelets and white blood cells. Plasma is the liquid part; the others are solid.

Drugs, alcohol and smoking have negative effects on the body.

Regular exercise strengthens muscles (including your heart) and improves circulation.



What I will learn next

KS3	The structure and functions of the gas exchange system in humans
KS3	The mechanism of breathing to move air in and out of the lungs
KS3	The role of diffusion in moving materials in and between cells