

Animals including Humans—Year 6

Previous Learning:

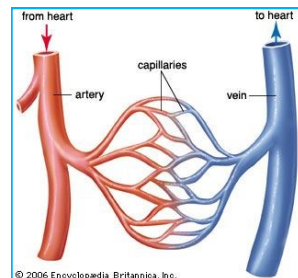
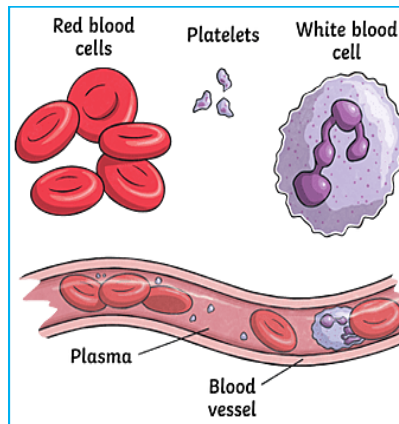
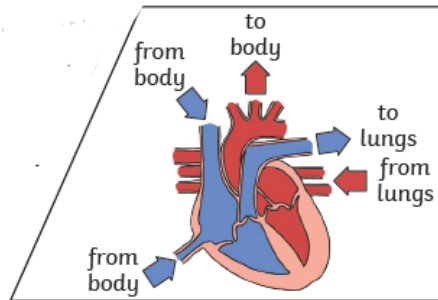
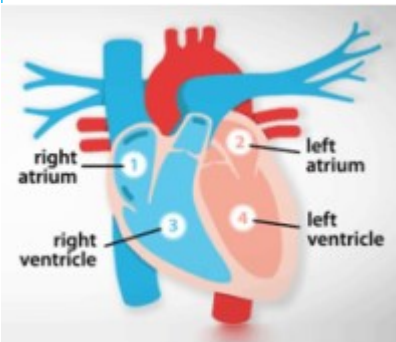
In Year 2, you described the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. In Year 3, you Identified that animals, including humans, need the right types and amount of nutrition. In Year 4, you described the simple functions of the basic parts of the digestive system in humans. You also identified the different types of teeth in humans and their simple functions.

Drugs, alcohol and smoking have negative effects on the body. A healthy diet involves eating the right types of nutrients in the right amounts.

Platelets help you stop bleeding when you get hurt. The liquid part of blood contains water and protein. This is called plasma. Plasma is liquid. The other parts of your blood are solid.

The heart pumps blood to the lungs to get oxygen. It then pumps this oxygenated blood around the body.

Mammals have hearts with four chambers. Notice how the blood that has come from the body is deoxygenated, and the blood that has come from the lungs is oxygenated again. The blood isn't actually red and blue.



Capillaries are the smallest blood vessels in the body and it is here that the exchange of water, nutrients, oxygen and carbon dioxide takes place.

Future learning:

In secondary school, you will explore the consequences of imbalances in human diets and the effects of recreational drugs on behaviour, health and life choices.

Key vocabulary	Definitions
heart	An organ which constantly pumps blood around the circulatory system.
pulse rate	The pulse is the number of heartbeats per minute.
blood vessels	The tube-like structures that carry blood through the tissues and organs.
circulatory system	A system which includes the heart, veins, arteries and blood transporting substances around the body.
nutrients	Substances that animals need to stay alive and healthy.
drugs	A substance containing natural or man-made chemicals that has an effect on your body when it enters your system.
oxygenated blood	Oxygenated blood has more oxygen. It is pumped from the heart to the rest of the body.
deoxygenated blood	Deoxygenated blood is blood where most of the oxygen has already been transferred to the rest of the body.