

Science: Animals Including Humans

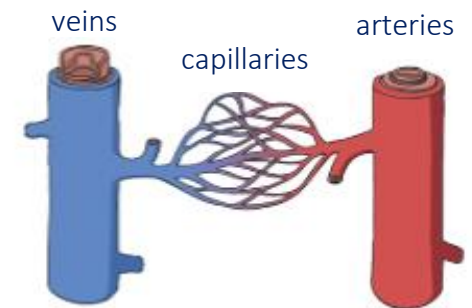
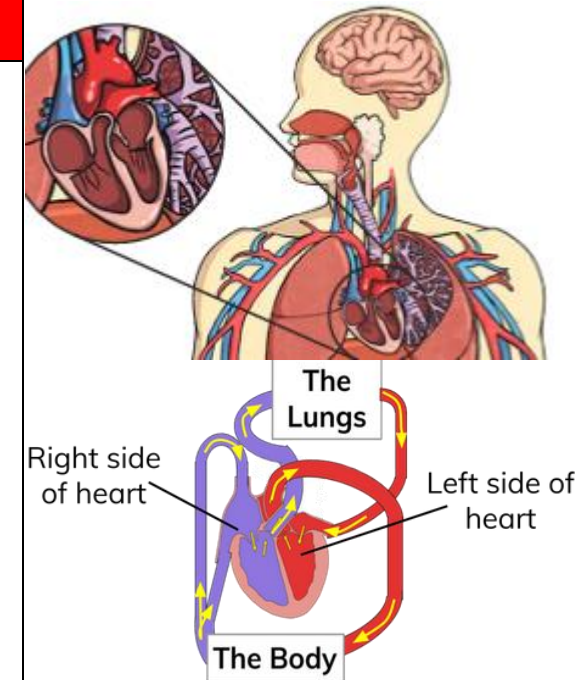
Key vocabulary

heart	the organ, or body part, that pumps blood through the body
blood vessels	a system of tubes that carry the blood throughout the body
lungs	bag-like organs, or body parts, used for breathing
arteries	blood vessels which carry blood from the heart to all parts of the body
capillaries	hair-like tubes which are the smallest blood vessels and connect arteries with veins
veins	a blood vessel which carries blood from parts of the body back to the heart
oxygen	a gas that is necessary for life for animals and humans
carbon dioxide	a waste gas produced by animals and humans
oxygenated blood	blood which is high in oxygen (from the lungs) and low in carbon dioxide
deoxygenated blood	blood which has had much of the oxygen removed; it is low in oxygen

We are building our knowledge from
Animals including Humans (Year

Key knowledge

- The **heart** pumps blood, through **blood vessels**, to the **lungs** to get **oxygen**. It then pumps this **oxygenated** blood around the body through **arteries** and **capillaries**.
- After nutrients and oxygen from the blood are used by the body, carbon dioxide and other waste products are produced.
- This **deoxygenated** blood is then carried back to the **heart** via **veins** and the cycle starts again.
- Diet, exercise, **drugs** and lifestyle have an impact on the way our bodies function.
- They can affect how well our heart and lungs work; how likely we are to suffer from conditions such as diabetes; how clearly we think, and generally how fit and well we feel.
- Some health conditions are caused by a lack of vitamins in our diet.



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



A healthy diet involves eating the right types of nutrients in the right amounts.

