

## Animals including humans

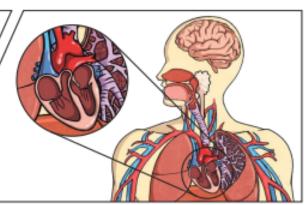
**Animals Including Humans** 

Year 6

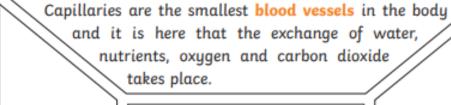
Key Vocabulary	
circulatory system	A system which includes the heart, veins, arteries and blood transporting substances around the body.
heart	An organ which constantly pumps blood around the circulatory system.
blood vessels	The tube-like structures that carry blood through the tissues and organs. Veins, arteries and capillaries are the three types of blood vessels.
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.

The heart pumps blood to the lungs to get oxygen.

It then pumps this oxygenated blood around the body.



Mammals have hearts with body from four chambers. Notice body blood that how the to has come from the body is lungs deoxygenated, and the from blood that has come from ĺungs the lungs is oxygenated again. The blood isn't from body actually red and blue: we just show it like deoxygenated oxygenated that on a diagram. blood



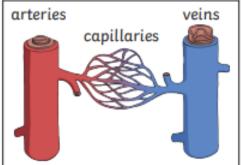
Arteries carry

oxygenated

blood away

from the

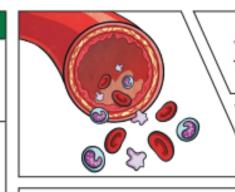
heart.



Veins carry deoxygenated blood toward the heart.

If you linked up all of the body's blood vessels, including arteries, capillaries, and veins, they would measure over 60,000 miles.

## drug A substance containing natural or man-made chemicals that has an effect on your body when it enters your system. alcohol A drug produced from grains, fruits or vegetables when they are put through a process called fermentation. nutrients Substances that animals need to stay alive and healthy.





gases (mostly oxygen and carbon dioxide);

- nutrients (including water);
- waste products.

Plasma \\
is liquid.
The other parts of your blood are solid.

Red blood cells

through your body.

oxygen

Platelets help you stop bleeding when you get hurt.



/ White blood cells fight infection when you're sick. Regular exercise:

This is called plasma.

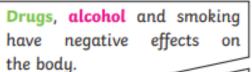
 strengthens muscles including the heart muscle;

liquid part of blood

contains water and protein.

- · improves circulation;
- increases the amount of oxygen around the body;
- releases brain chemicals which help you feel calm and relaxed;
- helps you sleep more easily;
- strengthens bones.

It can even help to stop us from getting ill.



carry



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







