

Key Vocabulary	
circulatory system	A system which includes the <b>heart</b> , veins, arteries and blood transporting substances around the body.
heart	An organ which constantly pumps blood around the circulatory system.
pulmonary	Relating to the lungs.
alveoli	Tiny air sacs in the lungs where gas exchange takes place.
gas exchange	The process by which oxygen enters the bloodstream from the lungs and the lungs receive carbon dioxide from the blood to breathe out. This process happens in the alveoli and the capillaries around the alveoli.

To look at all the planning resources linked to the Animals Including Humans click here.





## Key Knowledge

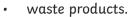
## Inside the Small Intestine

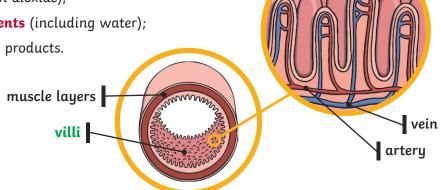
The **nutrients** pass through the **villi** and are absorbed into the blood vessels.

Water is absorbed in the small intestine in exactly the same way as other **nutrients** are absorbed.

Blood transports:

- gases (mostly oxygen and carbon dioxide);
- nutrients (including water);





villus

Regular exercise:

strengthens muscles including the heart muscle;

improves circulation;

increases the amount of oxygen around the body;

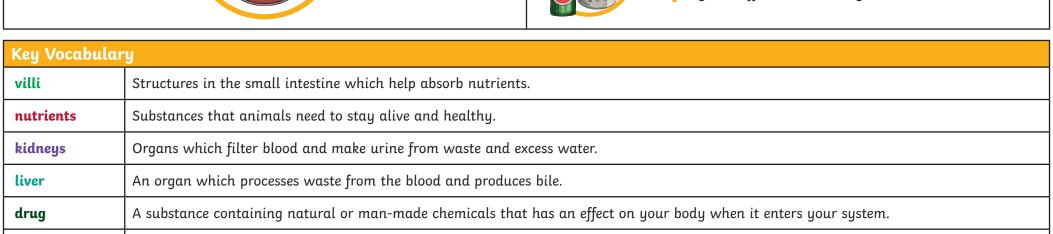
releases brain chemicals which help you feel calm and relaxed;

helps you sleep more easily;

strengthens bones.

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

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



A **drug** produced from grains, fruits or vegetables when they are put through a process called fermentation.



alcohol

