


# Animals Including Humans

Vocabulary to revise from previous years		Key Vocabulary - New to Year 6			
<b>Food chains</b>	Shows what is food for what	<b>Villi</b>	Structures in the small intestine which help absorb nutrients.	<b>circulatory system</b>	A system which includes the <b>heart</b> , veins, arteries and blood transporting substances around the body.
<b>Nutrition</b>	Getting food in order to live and grow	<b>Nutrients</b>	Substances that animals need to stay alive and healthy.	<b>heart</b>	An organ which constantly pumps blood around the <b>circulatory system</b> .
<b>Digestion</b>	How the body breaks down food into energy	<b>Kidneys</b>	Organs which filter blood and make urine from waste and excess water.	<b>pulmonary</b>	Relating to the lungs.
<b>Skeletons</b>	Body parts that form a supporting structure	<b>Liver</b>	An organ which processes waste from the blood and produces bile.	<b>alveoli</b>	Tiny air sacs in the lungs where <b>gas exchange</b> takes place.
<b>Muscles</b>	Pull on bones to make you move	<b>Drug</b>	A substance containing natural or man-made chemicals that has an effect on your body when it enters your system.	<b>gas exchange</b>	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 <b>alveoli</b> and the capillaries around the <b>alveoli</b> .

Key Knowledge					
<b>Revise the functions and names of the digestive system</b>	Mouth Tongue Teeth Oesophagus Stomach Large intestine Small intestine Anus	<b>How does diet and exercise impact on the human body?</b>	<b>Regular exercise</b> <ul style="list-style-type: none"> <li>• strengthens muscles including the heart muscle;</li> <li>• improves circulation;</li> <li>• increases the amount of oxygen around the body;</li> <li>• releases brain chemicals which help you feel calm and relaxed;</li> <li>• helps you sleep more easily;</li> <li>• strengthens bones.</li> </ul> 	<b>Know the impact of drugs and alcohol on the human body</b>	A drug is any substance that has an effect on you body when it enters your system. Know the difference between legal and illegal drugs. Understand the consequences of using legal drugs (alcohol, tobacco, paracetamol) appropriately and inappropriately. Know the consequences of using illegal drugs.
<b>Revise the names and functions of the main bones in the body</b>	Skull Ribs Thigh bone Spine Pelvis Sternum				

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



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



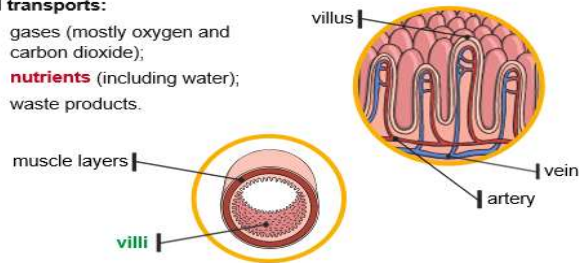
## How is water and nutrients transported in the body?

### Inside the Small Intestine

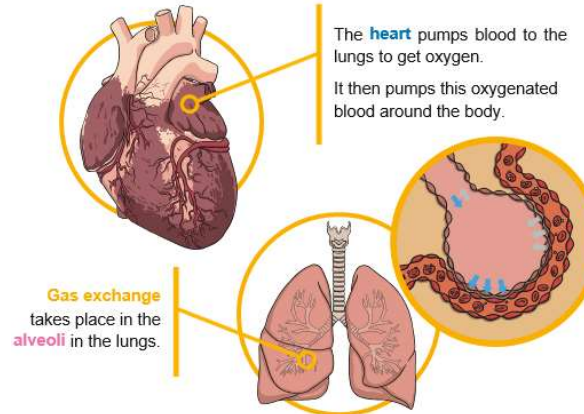
The **nutrients** pass through the **villi** and are absorbed into the blood vessels.

#### Blood transports:

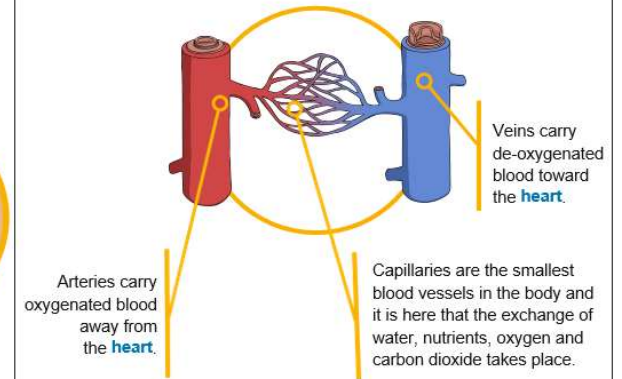
- gases (mostly oxygen and carbon dioxide);
- **nutrients** (including water);
- waste products.



## Identify and name parts of the human circulatory system and their functions



### Blood Vessels



### Prior Learning

Children will learn about the human lifecycle and reproduction.

### Next Steps

At KS3, the children will learn about:

- Nutrition, digestion and excretion
- Respiration
- Health and Diseases
- Inheritance and Genetics