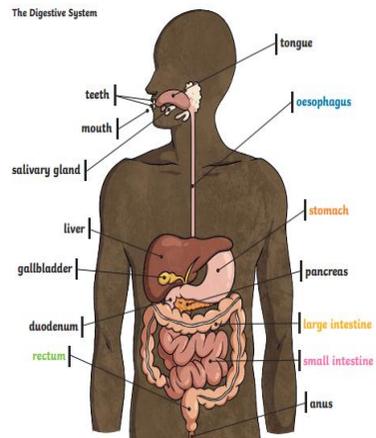


| Year 4 | Autumn 2 | Animals including Humans | Bodies are complex systems that need to be taken care of | | | | | |
|--|---|--|--|----------------|---|---------------|--------------|--------------|
| digestion: Important parts of food that the body needs to grow. | stomach: An organ in the body (a bit like a balloon) where food is broken down with stomach acids | rectum Part of the digestive system where stools are stored before leaving the body through the anus. | small intestine: Part of the intestine where nutrients are absorbed into the body | | producer: Living things that produce their own food. Plants are producers | | | |
| nutrients: important parts of food that the body needs to grow. Nutrients are absorbed by the body in digestion | large intestine: Part of the intestine where water is absorbed from remaining waste food. Stools are formed in the large intestine | anus: Opening at the end of the digestive system where waste is excreted | consumer: Any living thing that eats other plants and animals | | predator: An animal that eats other animals | | | |
| oesophagus: Stretchy tube that moves food from the mouth to the stomach | carnivore: An animal that eats meat | canine: sharp pointy tooth used for tearing and ripping food | herbivore: An animal that only eats plants | | prey: An animal eaten by other animals | | | |
| statutory words | appear | develop | height | natural | physical | weight | women | woman |

What is the digestive system?

The human digestive system is the set of different **organs** that change the food to a form that the body can use. In order to use the food we eat as energy, our body has to break the food down into smaller molecules that it can process, which is called **digestion**. The body also has to excrete (or get rid of) waste.



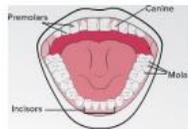
The smell of food triggers saliva to be produced.

- 1) The digestive system begins with the mouth and teeth where food is ingested and chewed.
- 2) Saliva is mixed with the food which helps to break it up.
- 3) When the food is small enough to be swallowed, it is pushed down the **oesophagus** by muscles to the **stomach**.
- 4) In the **stomach**, food is mixed further.
- 5) The mixed food is then sent to the **small intestine** which absorbs **nutrients** from the food.
- 6) Any leftover broken down food then moves

on to the **large intestine**.
7) The food minus the **nutrients** arrives in the **rectum** where muscles turn it into faeces. It is stored here until it is pushed out by the **anus**. This is called **excretion**.

What is the function of teeth in digestion?

Why do we have different types of teeth?



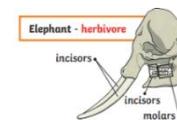
Teeth are used for cutting and chewing food. They start the digestive process which gives us the energy we need to live.

- Canines are pointed for tearing and ripping food - these are usually used when chewing meat.
 - Incisors are shovel shaped and help bite lumps out of and cutting food
 - Premolars and molars are flat and they grind and crush food.
- Humans look after their teeth by brushing and flossing and ensuring that they do not eat foods high in sugar. Not looking after teeth can lead to an increase in plaque and tooth decay.

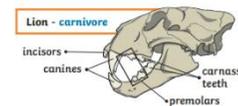
Why do animals have different types of teeth?

Animals that eat only **meat** are called **carnivores**. Animals that eat only **plants** are called **herbivores**. **Carnivores** and **herbivores** have different types of teeth, to suit the type of food they eat.

Carnivores have teeth which are shaped to slice and rip the meat they eat.

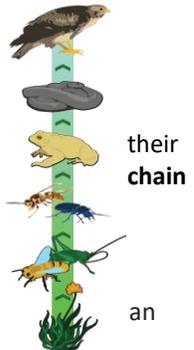


Herbivores have teeth which are shaped to squash and grind plants.



What is a food chain?

Living things are classified as **producers, predators or prey** depending on place in the **food chain**



A food chain always starts with a **producer**. This is an organism that makes its own food and is usually green like a plant. A living thing that eats other plants and animals is called a **consumer**. A **predator** is an animal that eats other animals. The animals that **predators** eat are called **prey**. **Predators** are found at the **top** of a food chain.

| | | | | |
|--|--|--|--|--|
| | | | | |
| What I should already know | | | | |
| <ul style="list-style-type: none">• There are similarities and differences between living things• Animals obtain food from plants and other animals• Food chains link together animals and the things they eat <p>Animals and humans have basic needs and need different types of nutrition</p> | | | | |