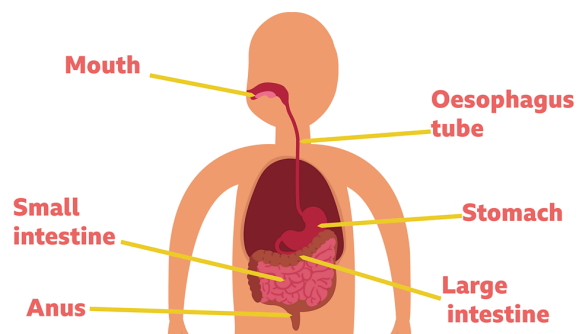


Science Subject Knowledge Bank Year 4: Animals including Humans

<u>Vocabulary</u>	<u>Definition</u>
Digestion	To extract nutrients and remove any waste from food
Producer	Organisms that make their own food
Predator	Living things that hunt and kill other living things
Prey	A living thing that acts as a food source for another living thing



What are the different types of teeth?

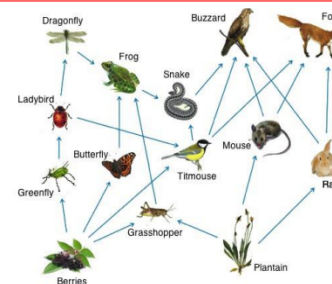
- Teeth can be classified into two groups: those used for cutting food (incisors and canines) and those used for chewing food (molars).
- They start the digestive process by helping us to break up our food which gives us the energy we need to live.
- Humans look after their teeth by brushing and flossing 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.

What is the digestion process?

- Digestion is a process carried out in the body where food is broken down into other substances that the body can use and any waste is removed.
- The smell of food triggers saliva to be produced.
- The digestive system begins with the **mouth** and teeth where food is ingested and chewed.
- Saliva is mixed with the food which helps to break it up.
- When the food is small enough to be swallowed, it is pushed down the **oesophagus** by muscles to the **stomach**.
- In the stomach, food is mixed further.
- The mixed food is then sent to the **small intestine** which takes the nutrients from the food and passes them into the blood. The blood then carries the nutrients around the body.
- Any leftover broken-down food then moves on to the **large intestine**.
- 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 a food web?

- A food web shows the direction in which energy travels when animals and producers (plants) are eaten by more than one thing.
- A food web shows multiple food chains where there are multiple feeding relationships.



What is a food chain?

- A food chain is a simple way to show the direction in which energy moves from the producer to the various consumers to the top or tertiary consumer.
- The producer (a plant) gets its energy from the Sun.
- When part of the food chain is removed, this has an impact on the other parts of the food chain. The number of some species will increase, while the population of others will decrease.
- This can have a direct impact on the survival of the species.
- The population of tertiary consumers depends on healthy populations of producers, primary and secondary consumers.

