

# Teeth and Digestion Year 4: Science Knowledge Mat

## Skills

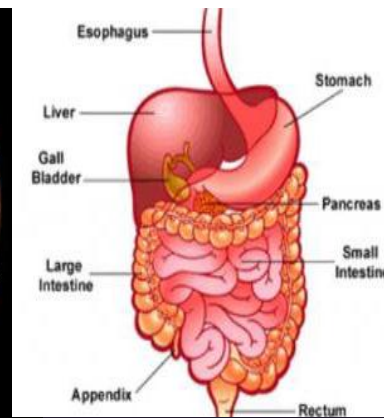
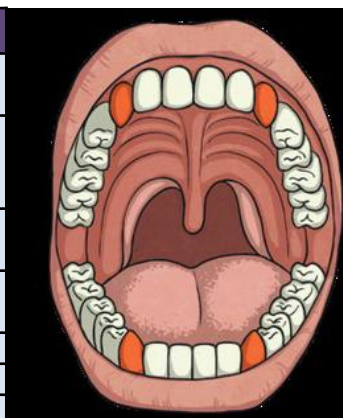
- describe the functions of the basic parts of the digestive system in humans
- identify the different types of teeth in humans and their simple function
- construct and interpret a variety of food chains, identifying producers, predator and prey.
- research what different animals eat in order to construct food chains
- classify animals as herbivores, carnivores or omnivores according to the type of teeth they have in their skulls
- use secondary sources to identify animals in a habitat and find out what they eat

## Knowledge

- Humans have four types of teeth -incisors for cutting, canines for tearing, molars and premolars for grinding (chewing).
- Living things can be classified as producers, predators and prey according to their place in the food chain.
- Food enters the body through the mouth. Digestion starts when the teeth start to break the food down. Saliva is added and the tongue rolls the food into a ball. The food is swallowed and passes down the oesophagus to the stomach. Here the food is broken down further by being churned around and other chemicals are added. The food passes into the small intestine. Here nutrients are removed from the food and leave the digestive system to be used elsewhere in the body. The rest of the food then passes into the large intestine. Here the water is removed for use elsewhere in the body. What is left is then stored in the rectum until it leaves the body through the anus when you go to the toilet.

# Teeth and Digestion: Year 4 Science Knowledge Mat

Subject Specific Vocabulary	
<b>digestion</b>	Where food is broken down and absorbed into the body.
<b>digestive system</b>	The system used by the body to get food into and out of the body and get nutrients out of food to keep it healthy.
<b>teeth</b>	Hard, white bony parts of the mouth used for breaking food into pieces.
<b>mouth</b>	Opening in the face where food is eaten and sound comes from.
<b>incisor</b>	Square front teeth in mammals for cutting food
<b>canine</b>	Pointy sharp teeth for tearing meat
<b>molar</b>	Large flat tooth at back of mouth used for grinding food.
<b>premolar</b>	Slightly smaller flat tooth near molars.
<b>saliva</b>	Watery liquid in mouth that softens food.
<b>oesophagus</b>	The passage between the mouth and the stomach.
<b>stomach</b>	Internal organ where most of our food is digested. Connected to the oesophagus and the small intestine.
<b>small intestine</b>	A long tube connecting your stomach to the large intestine and carries food to help absorb nutrients into the body.
<b>large intestine</b>	Short tube connecting the small intestine to the anus that helps absorb water back into the body; where poo is formed
<b>rectum</b>	Passageway where waste food exits the body.
<b>anus</b>	Opening from which poo is excreted from the body.
<b>herbivore</b>	An animal that only eats plants.
<b>carnivore</b>	An animal that only eats meat.
<b>omnivore</b>	An animal that eats both meat and plants.
<b>predator</b>	An animal that kills and eats other animals.
<b>nutrients</b>	Found in food and provide us with energy and essentials for repair and growth
<b>producer</b>	Plants make food from the energy of the Sun
<b>prey</b>	An animal that is killed and eaten by another animal.
<b>food chain</b>	Shows how animals pass on their energy, by showing which animals eat which animals.



## Facts about teeth and Digestion

The acid in your stomach is very strong and helps to break down your food with chemicals called enzymes.

Our small intestines are very long and it takes our food a long time to digest and go through.

Our large intestines is wide tube but it is quite short and takes the water back into the body. It leaves the food that can't be digested behind and forms poo.

From eating our food to going to the toilet it can take from 2 to 5 days.

Humans and other mammals have two sets of teeth. Milk (baby) teeth and then adults teeth.

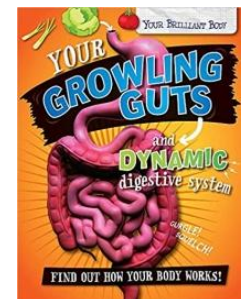
Brushing twice a day with fluoride toothpaste, will help to keep teeth strong and healthy.

We make 1 to 3 pints of saliva each day!

Tooth enamel on the outside of teeth is the hardest substance in the human body.

## Exciting Books

Your Growling Guts and Dynamic Digestive System (Your Brilliant Body) Paperback – 24 Nov. 2016



## Useful Websites

<https://www.bbc.co.uk/bitesize/topics/z27kng8>

<https://www.theschoolrun.com/homework-help/human-digestive-system>

<https://www.theschoolrun.com/homework-help/teeth-and-dental-care>