

St Sebastian's Primary School – Science Knowledge Organiser

Topic: Animals including Humans
(digestive system, teeth and food chains).

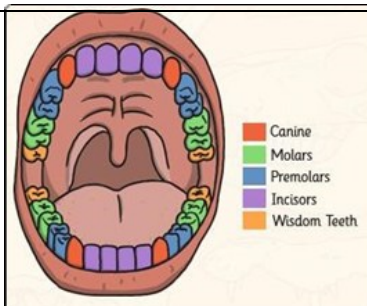
Years 4

Strand: Biology

What will I know by the end of the unit?

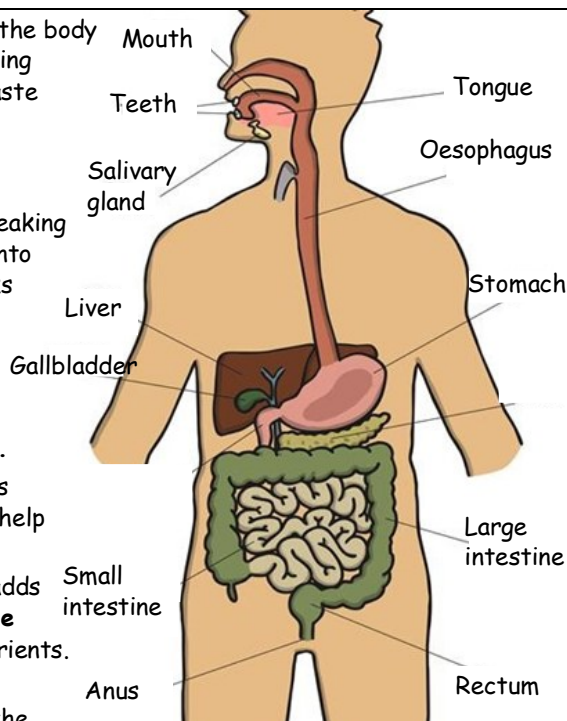
Can I identify the different types of teeth and their functions?

- A human has three types of teeth - incisors, canines and molars.
- Incisors** slice food, **canines** tear food and **molars** grind food.
- Children develop a set of teeth which are gradually replaced between the ages of 6 and 12.

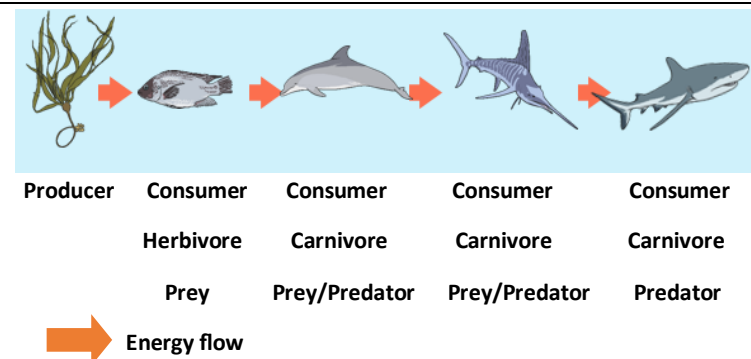


Can I describe the basic parts and processes of the digestive system?

- Food passes through the body with the nutrients being extracted and the waste products **excreted**, this process is called **digestion**.
- Digestion** involves breaking complex foodstuffs into simpler building blocks that can be absorbed by the body.
- Food is squeezed down the **esophagus** towards the **stomach**.
- The **stomach** releases **acid** and **enzymes** to help break down the food.
- The **small intestine** adds more **enzymes** and **bile** then absorbs the nutrients.
- The **large intestine** absorbs water from the undigested food before excreting it through the **anus**.



Can I construct different food chains and identify producers, predators and prey?



Vocabulary

Incisors	Teeth that slice food at the front of the mouth.	Anus	A muscle where faeces (waste) is excreted from the body.
Canines	Pointed teeth to tear food (meat)	Excretion	Removal of waste from the body.
Molars	Flat teeth to grind and chew.	Bile	Helps to break down food.
Digestion	Process by which food passes through the body; nutrients are extracted and waste products excreted.	Peristalsis	When the muscles contract and relax pushing food along the intestines.
Saliva	Helps to chew, taste and swallow food; contains enzymes which start to digest food.	Acid & Enzymes	Special products produced by the stomach to help break down food through chemical reactions.
Oesophagus	Tube which takes food from the mouth to the stomach.	Producer	Plants in a food chain.
Stomach	An organ where food is digested.	Consumer	Animals that eat plants/animals.
Intestine	A long tube through which food travels from the stomach to the rectum while it is being digested.	Prey	An animal that is hunted and killed by another animal for food.
Rectum	Where faeces (waste) is stored ready to be removed.	Predator	An animal that hunts, kills and eats other animals.

Marston Thorold's Primary School — Science Knowledge Organiser

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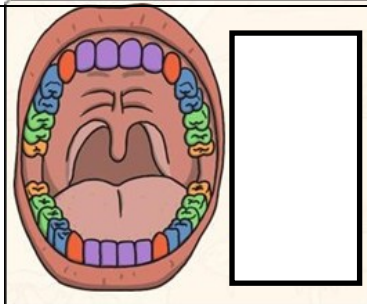
Years 3 & 4

Strand: Biology

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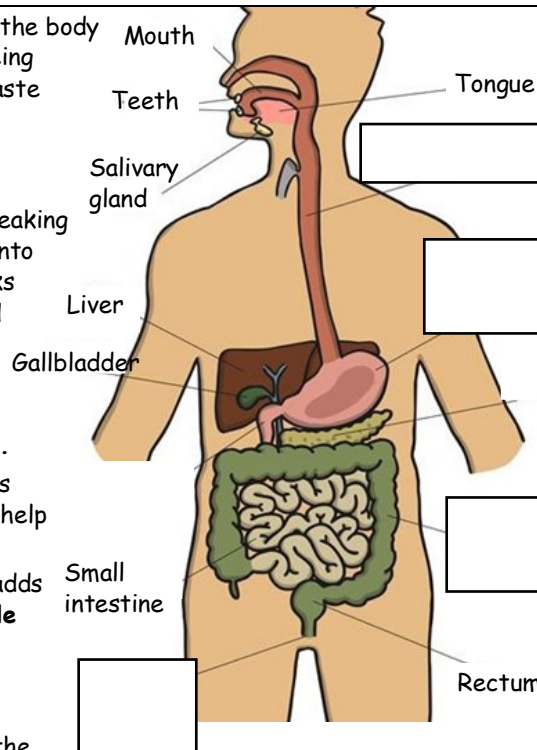
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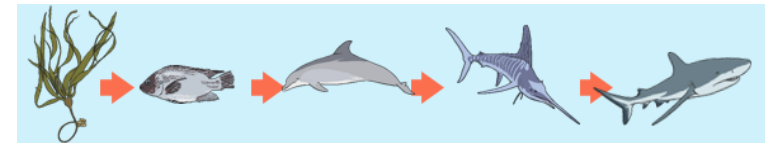


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	Where faeces (waste) is stored ready to be removed.		An animal that hunts, kills and eats other animals.