Knowledge Organiser - Year 4 - **Animals including humans**

Careers connected to animals: doctor, veterinarian, dentist, farmer, physiotherapist



Lesson Sequence



1. Learn about the digestive system



2. Explore the digestive system in humans



3. Know about your teeth



4. Understand how to care for your teeth



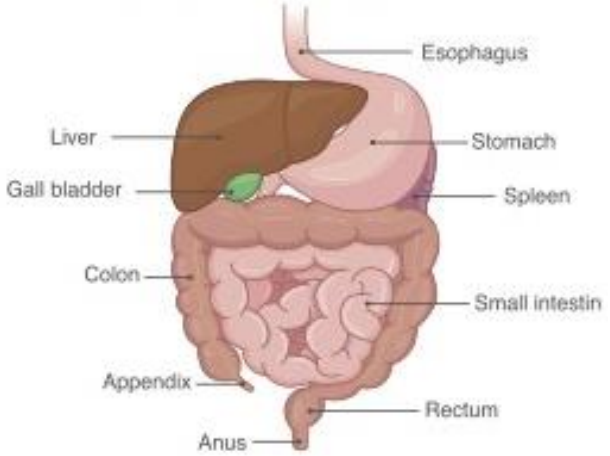
5. Investigate food chains



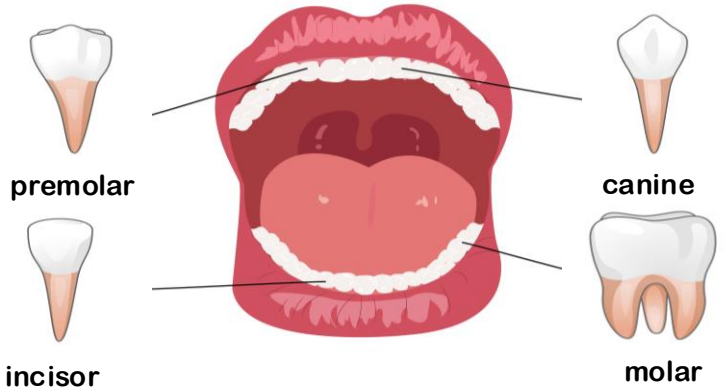
6. Explore food webs

The Digestive System

- 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 absorbs nutrients from the food.
- 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 (poo). It is stored here until it is pushed out by the **anus**. This is called excretion.



Types of Teeth and their function

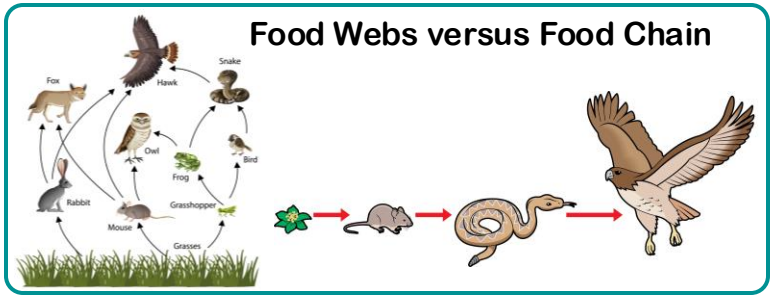


Different teeth have different functions
Teeth of animals are designed for the foods they eats

- **Herbivores** (e.g., horses) have little use for canines and mainly use incisors and molars
- **Carnivores** (e.g., Lion) mainly use canines and incisors, they don't have molars (have premolars – small molars)
- **Omnivores** (e.g., humans) use all three

Tooth enamel is the hardest substance in the human body
Humans have two sets of teeth; milk teeth and adult teeth

Food Webs versus Food Chain



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Before and After Test



Place these in order of what happens in the digestive system.	before	after
teeth chew food and saliva helps the food to break down.		
any final nutrients are absorbed before waste is pushed out by the anus.		
in the stomach the food is mixed further and then sent to the intestines		

Which of these life processes takes place when waste is pushed out?	before	after
respiration		
reproduction		
excretion		
growth		

The substance that contains bacteria on the surface of your teeth is called…	before	after
plaque		
canines		
molars		
incisors		

Tooth **decay** is when..	before	after
teeth are used to chew		
teeth are kept healthy		
teeth are destroyed and damaged		
teeth are brushed twice a day		

What carries food from the mouth to the stomach?	before	after
blood		
oesophagus		
teeth		

The substance that helps break down food in the mouth is…	before	after
oesophagus		
saliva		
nutrients		

Name the human teeth below.

	Before	After
		
		
		
		

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Unit Rocket Words - Year 4 - animals including humans

Rocket Words

	digestive system	series of organs that break down food
	oesophagus	tubes running from mouth to stomach
	saliva	a fluid in the mouth which helps break down food
	peristalsis	the movement of food through parts of the digestive system
	incisors	front teeth for cutting food
	molars	wide, flat teeth for grinding food
	enamel	very hard layer covering the tooth
	fluoride	ingredient in toothpaste that helps prevent cavities forming
	consumer	an animal which gets its food from other living things
	predator	an animal that gets its food from killing and eating other animals
	tundra	region found in the Arctic, where the climate is cold and windy
	hide	the skin of an animal

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