

Brentside Knowledge Organiser - Science

Year: 4

Topic: What happens to the food we eat?

National curriculum: Animals including Humans

What I should already know:

1. I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. I can identify and name a variety of common animals that are carnivores, herbivores and omnivores .
2. That animals, including humans, have offspring which grow into adults. I can describe the basic needs of animals, including humans, for survival (water, food and air). I can describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.
3. That animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. That humans and some other animals have skeletons and muscles for support, protection and movement.

What I should know at the end of the topic:

Describe the simple functions of the basic parts of the digestive system in humans .

Identify the different types of teeth in humans.

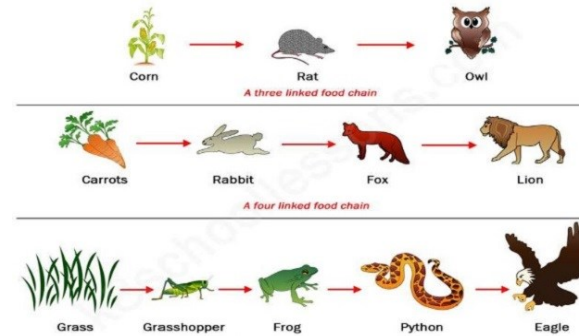
Identify the functions of the different types of teeth in humans.

Explain the importance of keeping teeth healthy.

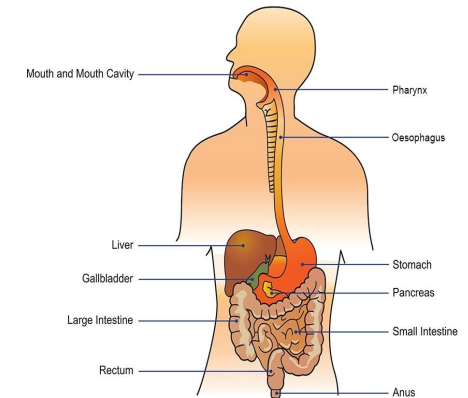
Construct and interpret a variety of food chains.

Identify the producer, prey and predator in a food chain.

Diagrams:



The Components of the Digestive System



Vocabulary

Digestion	The process where the food we eat is broken down into other substances that our bodies can use, such as fats, carbohydrates, proteins, and vitamins.
Stomach	Organ in digestive system, where food is broken down by acid and muscles.
Intestines	Last stage in digestive system where water and nutrients are absorbed.
Oesophagus	Beginning stage of digestion, food travels from mouth to stomach.
Saliva	Helps food break down before going down the oesophagus
Molars	Teeth that help you crush and grind food.
Incisors	Teeth that help you bite off and chew pieces of food.
Canines	These teeth are used for tearing and ripping food.
Predator	An animal that hunts and kills other animals for food.
Producer	A plant, they make their own food.
Prey	Hunted by other animals as food.
Food chain	Shows how plants and animals get their energy.
Herbivore	Animals that can only eat plants.
Carnivore	Animals that can only eat meat.

Investigate:

Can you.....explain the journey of food being digested?
.....create a food chain with animals from your local area?