

Science Knowledge Organiser - Animals Including Humans



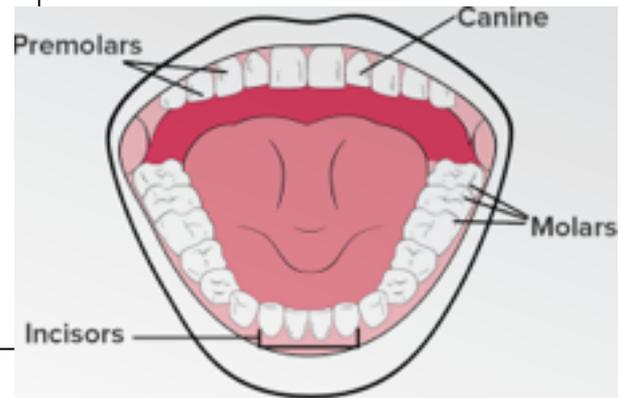
Teeth

Incisors - Front teeth used for cutting food into smaller pieces.

Canines - Four pointed teeth at the ends of the incisors. Used for ripping and tearing food.

Premolars - The first molars used to chew and tear food along with the canines.

Molars - Teeth at the back of the mouth, used to grind food into smaller parts.



Why do humans need skeletons?

Humans and other animals need skeletons for support, movement and protecting their organs.

Some parts of skeletons can be seen in both animals and humans, such as a skull, ribcage and spine.

Food Types

Carbohydrates - Give slow release energy. E.g. breads, rice, cereals

Fruit & Vegetables - Give vitamins and minerals. E.g. carrots, potatoes, apples

Dairy - Provides calcium to help teeth and bones grow. E.g. milk, eggs, butter

Proteins - Meat and fish products that provide protein to help muscles grow. E.g. beef, tuna, soya (for vegetarians)

Fats and sugars - Provide a short burst of energy. If too many are eaten, the body stores the extra energy as fat. E.g. chocolate, sweets, lollipops

The food triangle shows how much of each food group should be eaten, from carbohydrates (lots) to fats and sugars (few).

With animals, the movement of energy from prey to predator is shown by a food chain. (Arrows show the direction energy is moved.)

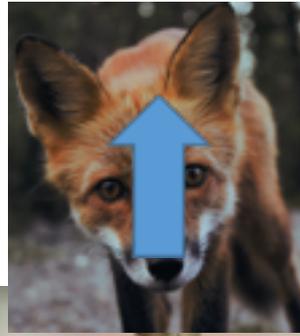
Producer - Produces energy from the sun.

Consumer - Gets its energy from eating other animals or plants.

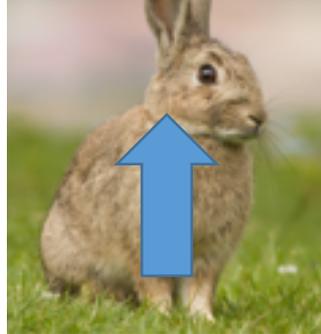
Basic Food Chain

Carnivore - An animal that only eats other animals.

Omnivore - An animal that eats both plants and other animals.



Fox - Predator
(Secondary
Consumer)



Rabbit - Prey
(Primary
Consumer)



Grass - Producer

Ideas for activities at home:

If you have paper large enough, you could draw around a person, and have a guess where organs and bones in the body should be. Check your positioning on the internet!

Could you make a simple food chain using animals and plants you can see in your garden?

Could you write a 'Witches' guide to looking after your teeth'? Include instructions such as, "Never go to the dentist!"

Keep a diary of food you eat over a week. How much of each food group have you had? Could you show that using a

The Human Digestive System

The most important parts to remember (along with the