



ANIMALS including Humans

KNOWLEDGE ORGANISER

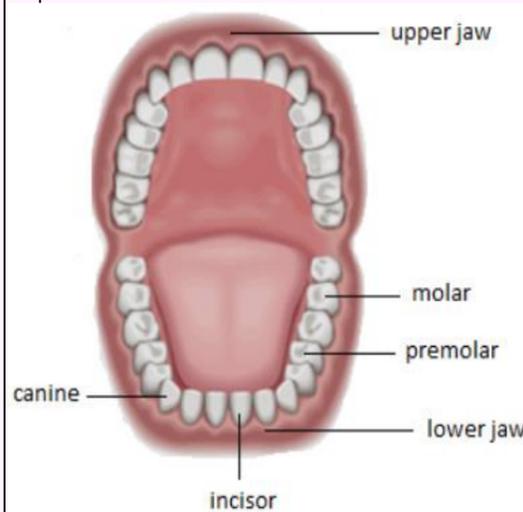


What you should already know...



- Animals cannot create their own food, they must eat in order to get **nutrition**.
- Because of this, animals are called **consumers**.
- Animals and humans need the right types and amounts of nutrition.
- Nutrition groups include carbohydrates, fats, proteins, fibre, vitamins and minerals.
- Skeletons are important for support, movement and protection. Muscles help us to move and keep our posture.

Teeth

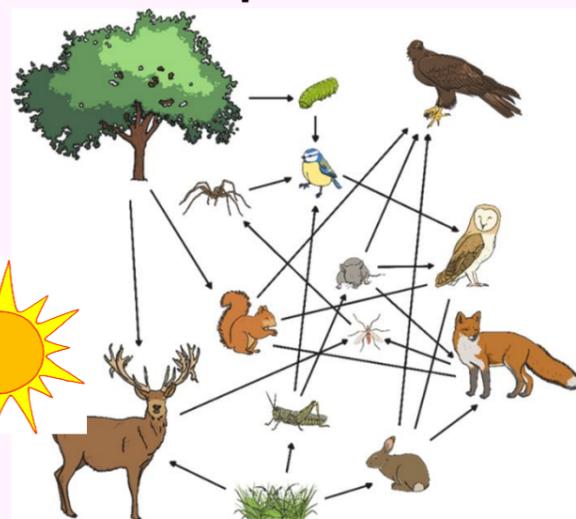


- Humans get 2 sets of teeth. Adults have up to **32 teeth**, made up of 4 different types.
 - Incisors** (at the front) are used to cut food.
 - Canines** are used to tear food.
 - Pre-molars** are used to crush food.
 - Molars** (at the back) are used to grind or chew food.
- Our teeth are like this because we are **omnivores**. We eat a variety of things. **Carnivores** have sharp pointed canines for tearing meat. Many **herbivores** have chisel like front teeth that grow continuously.

Food Chains and Food Webs- What are they?

- Food chains** and **food webs** describe feeding relationships. They show how each living thing gets energy and food, and how nutrients are passed from **producers** through different **consumers**.
- Plants are the only organisms that can make their own food. All animals and the foods they eat can be traced back to plants and the energy from the sun.
- All the food chains in a habitat form a food web.

Example food web

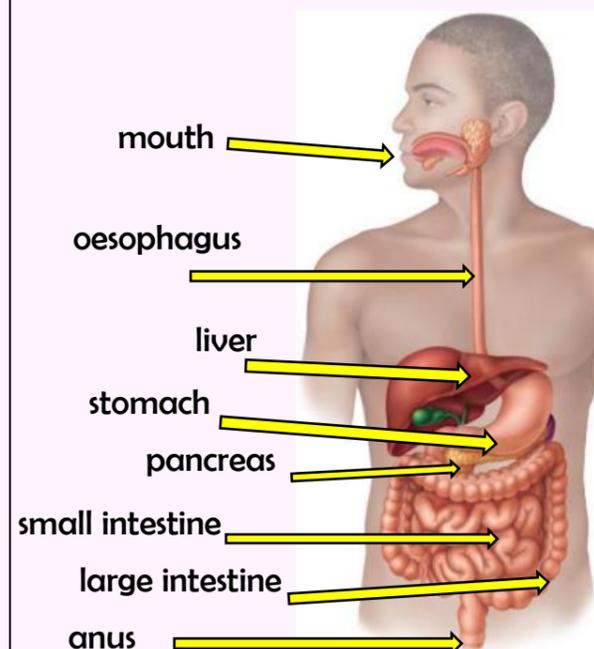


Explanation

- Producers** make their own food (for example plants, through photosynthesis using energy from the sun).
- Primary consumers** eat producers.
- Secondary consumers** eat primary consumers.
- Tertiary consumers** eat secondary consumers.
- Apex predators** are at the top of the food chain and have no natural predators.

The Digestive System

Parts



Stages/Functions

Digestion takes place in the **alimentary canal**. There are three main stages of digestion:

Ingestion – The food is taken in by the mouth, and broken down by teeth and **saliva**. It moves down the **oesophagus** by **peristalsis** (an involuntary muscular movement).

Absorption – Food is further broken down in the **stomach** and **intestines** by **acid, bile and enzymes**. Nutrients are absorbed into our bodies through our blood. The **liver** and **pancreas** produce the bile and enzymes to help the digestion along.

Excretion – Waste food that the body cannot use is sent to the **anus** for excretion.

Digesting food can take many hours.

Garden Food Chain

