

Our Lady's Catholic Primary School - Knowledge Organiser

Science Autumn 1 - Animals including humans

TOPIC - Human Digestion and Teeth

Year 4

Key Vocabulary

Key vocabulary	
digestive system	The organs in your body involved in the digestion of food.
digestion	This is the way the body breaks down food so the body can absorb it.
herbivore	Animals that only eat plants.
carnivore	Animals that eat other animals.
omnivore	Animals that eat both plants and animals.
producer	All green plants can make food in their leaves. They are the only producers of food.
consumer	Animals that eat plants in a food chain.
predator	Animals that catch and eat other animals.
prey	Animals that are hunted and eaten by predators.
food chain	Animals eat plants or other animals. The way this happens is shown in a food chain.

Teeth

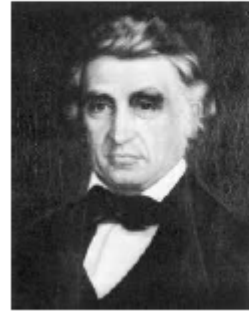
Humans have 4 types of teeth:

- **incisors** – used for cutting
- **canines** – rip and tear food
- **molars and premolars** – for grinding and chewing food



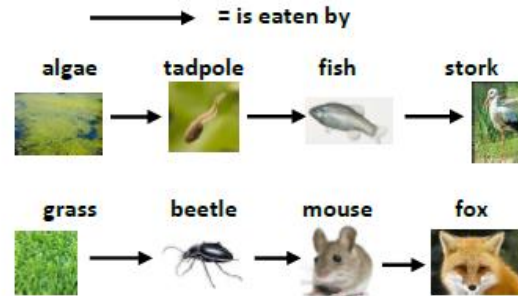
Significant scientist

William Beaumont
(1785-1853)



William Beaumont was a surgeon in the U.S. Army. He carried out lots of experiments and research on human digestion. As a result, he provided the world with new information about the digestive process in living human beings.

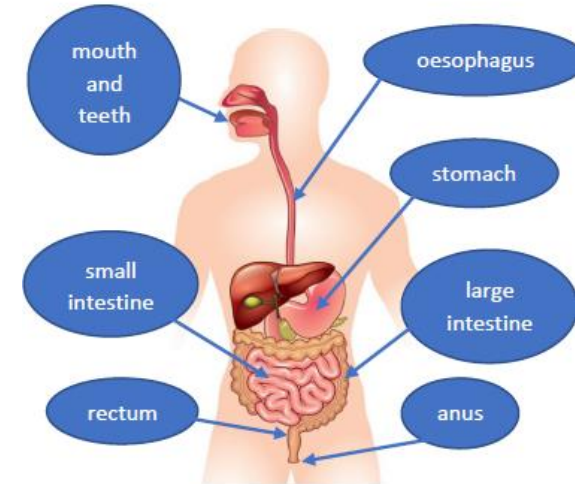
Food chains



Lion skull



Lions are carnivores. They have big canine teeth to help them catch their prey.



The main parts of the digestive system:

- Food enters the body through the **mouth**
- The **teeth** start to break the food down. **Saliva** is added and the tongue rolls the food into a ball.
- After swallowing, the food passes down the **oesophagus** to the stomach
- In the **stomach** the food is broken down further by being churned around and some chemicals are added.
- Food passes into the **small intestine**. Here **nutrients** are removed from the food to be used elsewhere in the body.
- The rest passes into the **large intestine** where **water** is removed to be used elsewhere in the body.
- What is left is then stored in the **rectum** until it leaves the body through the **anus** when you go to the toilet.

