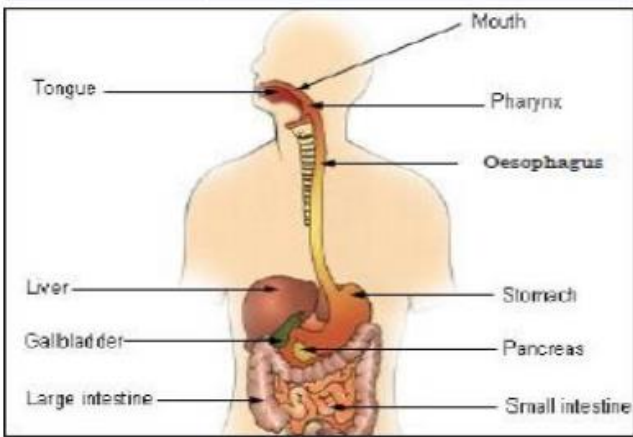


The Human Digestive System

What is digestion? Digestion is the way the body breaks down the food we eat into smaller parts that can be used to give the body energy

The main parts of the digestive system Mouth, tongue, pharynx, oesophagus, liver, stomach, gallbladder, pancreas, large intestine, small intestine



The digestive journey of food

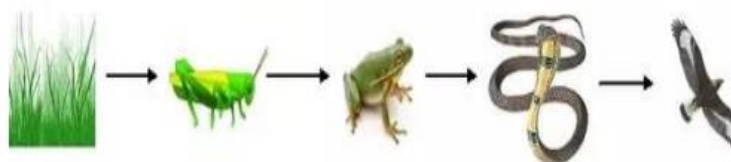
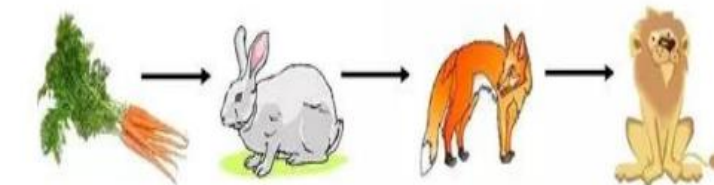
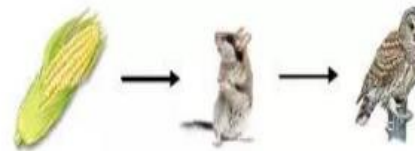
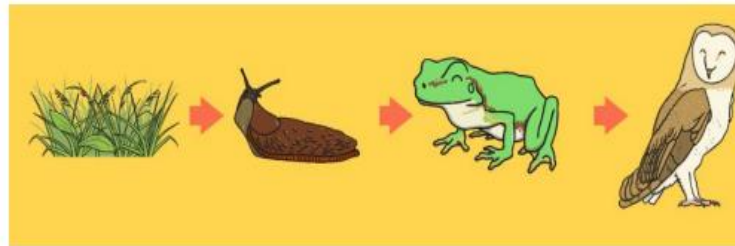
- Humans put food in their mouth
- Food is chewed by the teeth
- Food is swallowed and passed through the **pharynx** and **oesophagus** to the **stomach**
- In the **stomach** it is smashed into a mixture like soup and mixed with acid
- The mixture passes into the **small intestine**, where tiny bits of food pass into the bloodstream
- The food that is left goes into the **large intestine**
- Finally, waste products leave the body

Food Chains

What is a food chain?

A food chain is a diagram that shows a producer and consumers
A consumer can be a predator, prey or both
The arrow means 'is food for'

Some Different Food Chains



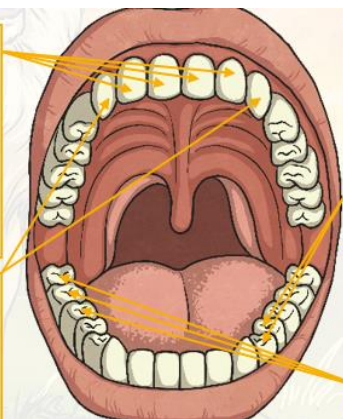
| Word | Definition |
|-------------------|--|
| Energy | The property that gives Humans strength |
| Waste | Unwanted substances in the body |
| Molar /Pre Molars | Back teeth used for crushing food |
| Incisors | Front teeth used for cutting food |
| Canines | Long teeth used for grabbing food |
| Producer | Food chains start with a producer (usually grass or algae |
| Consumer | A living thing which gets their food by eating plants |
| Predator | Animals which eat other animals |
| Prey | Animals that are eaten by other animals |



What can you see?

At the front of a human mouth, you will see eight incisors – four at the top and four at the bottom.

There are four canines – one on each side of the top and bottom incisors.

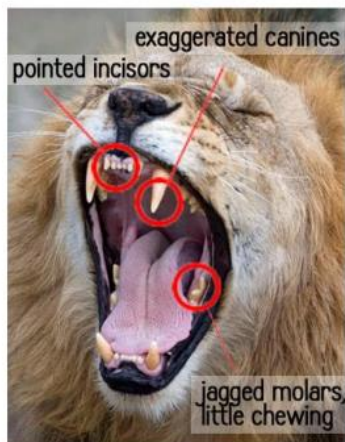


Premolars come next – two on either side of the top and bottom jaw.

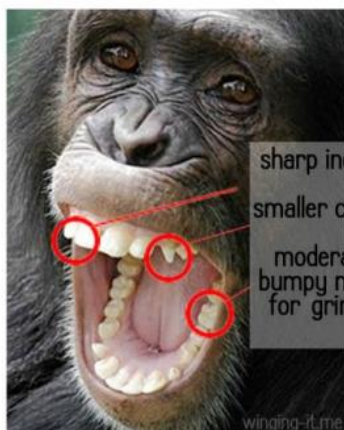
Finally, there are molars – three on either side of the top and bottom jaw.



Carnivore Teeth



Herbivore



Omnivore



Carnivores and herbivores

Animals that eat only meat are called **carnivores**. Animals that eat only plants are called **herbivores**.

Carnivores and herbivores have different types of teeth, to suit the type of food they eat. Herbivores have teeth which are shaped to squash and grind plants. Teeth **a** and **b** on the diagram show the herbivore's teeth. Carnivores have teeth which are shaped to slice and rip the meat they eat. Teeth **c** and **d** on the diagram show the carnivore's teeth.

Carnivores

Most carnivores are predators that hunt down their prey.

They therefore have **long, pointed** canines – much longer than the those of humans – for gripping their prey, tearing their flesh and killing it.



Major causes of tooth decay are sugary, sticky foods and beverages. The more sugar consumed, the more acid, which gets produced leading to decay.