



Y4 Science – Digestive System and Food Chains

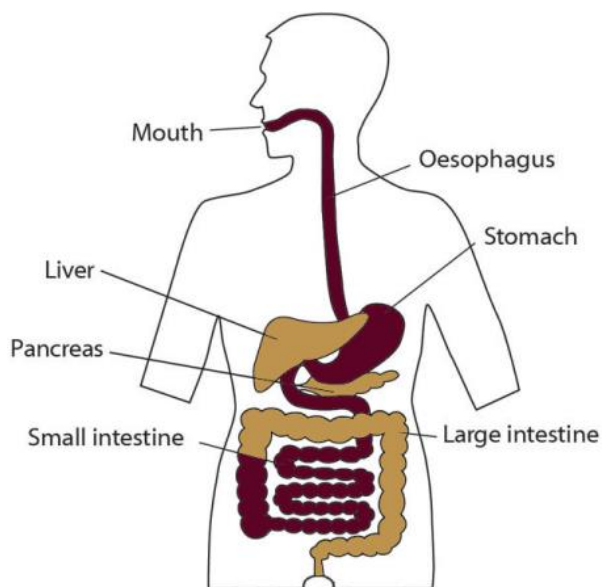
The Human Digestive System

What is digestion?

Digestion is the way the body breaks down food into smaller parts that can be used to give the body energy.

What are the parts of the digestive system?

Mouth, tongue, pharynx, oesophagus, liver, stomach, gallbladder, pancreas, large intestine and small intestine.

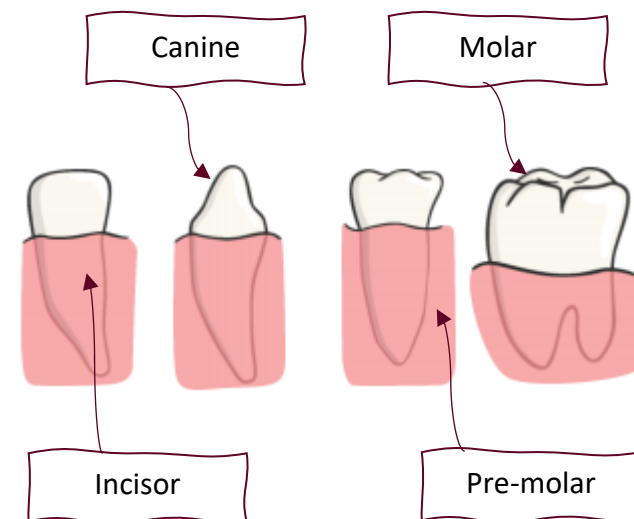


Human Teeth

- Teeth grow in babies when they are about 6 months old
- 20 teeth grow by the time they are 2 1/2 years old
- From the age of 6 you start to lose teeth until about the age of 12
- These teeth are replaced by 32 permanent teeth.

Vocabulary

Energy	The property that gives humans strength.
Waste	Unwanted substances in the body
Molars	Back teeth for crushing and grinding food.
Incisors	Front teeth for snapping and cutting food
Canines	Long pointed teeth for grabbing food.
Producer	Food chains start with a producer.
Consumer	A living thing which gets their food by eating plants or other animals.
Predator	Animals which eat other animals.
Prey	Animals that are eaten by other animals.



Food enters the mouth and is chewed by the teeth and swallowed

Food passes through the pharynx and oesophagus to the stomach

It is smashed into a mixture like soup and mixed with acid

The mixture passes into the small intestine where small bits of food pass into the bloodstream

The remaining food goes into the large intestine

Finally, waste products leave the body

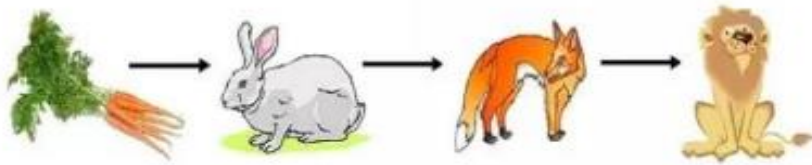


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Food Chains

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 'food for'.

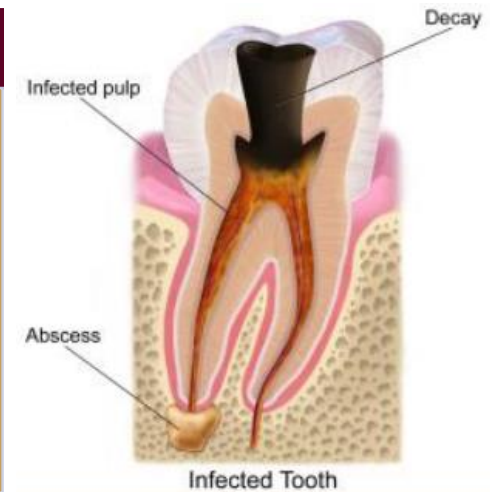


Carnivores and Herbivores

- Animals that only eat meat are called carnivores.
- Animals that only eat plants are called herbivores.
- Animals that eat both are omnivores.
- Carnivores and herbivores have different types of teeth to suit the food they eat.

Tooth Decay

- Decay is what happens when the acid created in your mouth attacks your teeth.
- It breaks through the surface of your teeth making a small hole called a cavity.
- Major causes of tooth decay are sugary, sticky food and drinks.
- The more sugar is consumed, the more acid, which gets produced leading to decay.



Sharp incisors, smaller canines, bumpy molars for grinding

Exaggerated canines, pointed incisors and jagged molars

HUMAN

HERBIVORE

OMNIVORE

CARNIVORE



European Expedition