

# Year 4 Autumn 1 Knowledge Organiser – Science

## Digestion



Science study

Animals, including humans

Year \_\_\_\_ Term \_\_\_\_

Parts of the **digestive system**

**Digestion** means 'to **carry apart**' from the Latin *dis (apart)* + *gerere (to carry)*

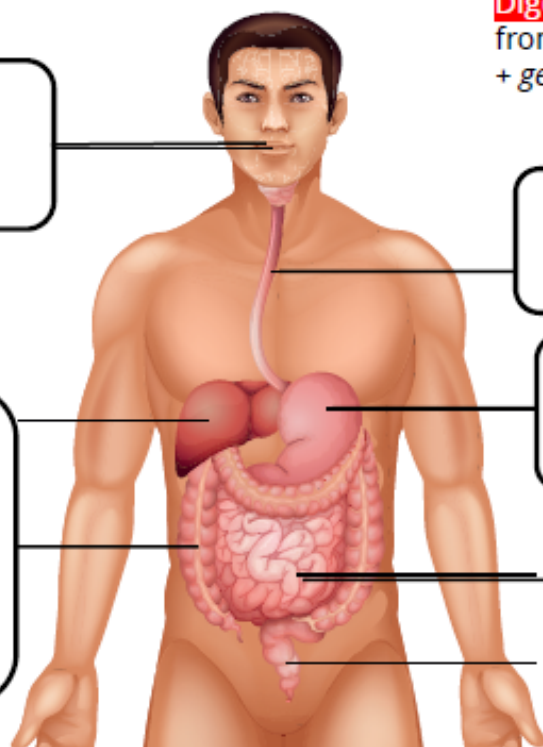
**mouth** – food is chewed by the teeth and mixed with saliva

**oesophagus** – the tube that carries food (**bolus**) from the mouth to the stomach

**large intestine** – anything left from the small intestine is collected, compacted and water absorbed. This is where waste passes on its way out of the body.

**stomach** – The organ that starts to digest food using acids and enzymes - turns food into a liquidy mixture

**small intestine** – absorbs products from digestion into the bloodstream



**mouth** – chew - saliva



**enzymes** (chemicals) in our saliva help break down foods, like starch and fat



**oesophagus** – relax - contract



**food** is pushed down when the walls of the oesophagus contract and relax



**stomach** – holds / turns food – breaks down with acids



**strong acids** break down the food then muscles turn the food over to expose it to the **gastric juices** – acids & enzymes



**small intestine** – absorbs digestible food



partly digested food is pushed into the small intestine – **enzymes** break down food and it is **absorbed** into the bloodstream



**large intestine** – is absorbed water & vitamins



- food that is hard to digest is passed into the large intestine
- water and **vitamins** absorbed back into the body



**defecation** – waste passed out



food not digested is passed out as **faeces**

