

Knowledge Organiser - SCIENCE (Biology) - YEAR 4 - AUTUMN 1 2025

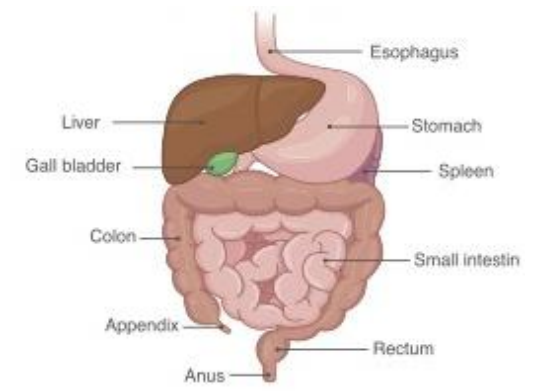
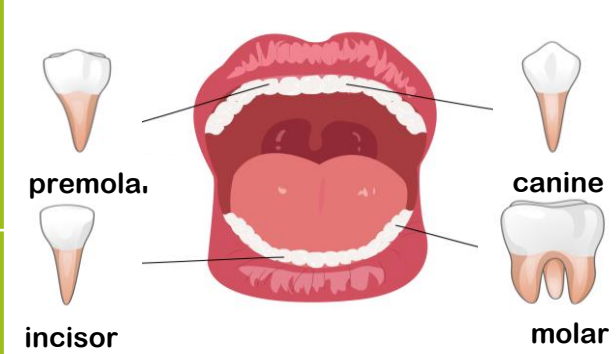
Animals including humans - Where does all that food go?

STICKY KNOWLEDGE

The mouth, oesophagus, stomach, small intestine and large intestine make up the digestive system.	Each of the organs play a vital role in the digestion and absorption of nutrients from food, which are essential for the proper functioning of the body.	Canines are for tearing, incisors for cutting, premolars are for holding, molars for grinding and wisdom have no function yet.
The effects of different liquids on the teeth can depend including the acidity of the liquid, the amount and frequency of consumption, and the length of time the liquid is in contact with the teeth.	A food chain shows the flow of energy and nutrients between animals and plants.	A food web is a diagram that shows how some foods and plants are related to each other.

KEY VOCABULARY

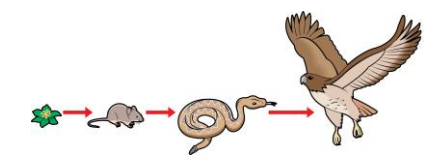
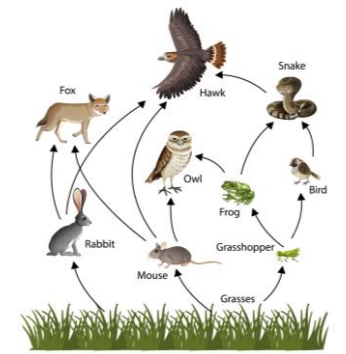
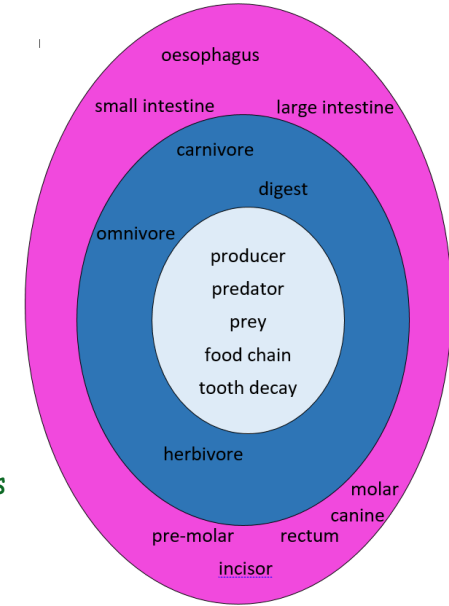
digestive system	series of organs that break down food
oesophagus	tubes running from mouth to stomach
peristalsis	the movement of food through parts of the digestive system
enamel	very hard layer covering the tooth
consumer	an animal which gets its food from other living things
predator	an animal that gets its food from killing and eating other animals



Key Scientist: Ivan Pavlov



Ivan Pavlov was a Russian experimental neurologist, psychologist and physiologist known for his discovery of classical conditioning through his experiments with dogs.



Food Webs versus Food Chain