

# Weston Turville CE School – Science Knowledge Organiser



## Topic: Animals Including Humans

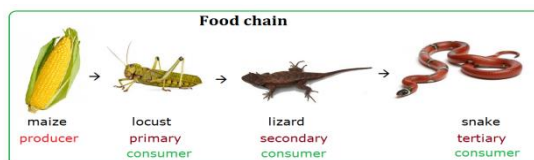
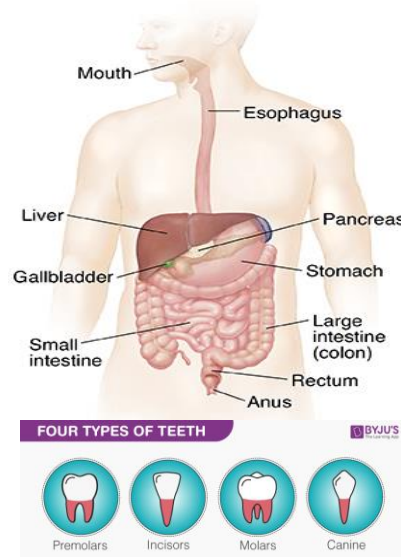
## Year: 4 Autumn 1

## Strand: Biology: Teeth and Healthy Eating

### What Should I Already Know?

We are called humans  
 We are from the family of animals called mammals  
 Hair, head, ears, eyebrows, eyes, nose, mouth, chin, neck, shoulder, chest, elbow, arm, wrist, hand, tummy, knee, leg, ankle and foot  
 Touch, taste, smell, sight and hearing  
 We touch using our skin (usually our hands)  
 We taste by putting something in our mouth  
 We smell by using our nose, see with our eyes, hear with our ears  
 There are 6 types of animals  
 Some common invertebrates, fish, amphibians, reptiles, birds, mammals  
 Animals that eat meat are called carnivores  
 Animals that eat plants are called herbivores  
 Animals that eat meat and plants are called omnivores  
 Basic life cycles of animals and humans  
 4 things animals and humans need to survive  
 Things to stay healthy: balanced diet, hygiene, exercise  
 Growing/ hunting/ gathering foods  
 Skeleton and 19 common muscles

### Diagrams



### Main Information

Digestion is the way the body breaks down the food we eat into smaller parts that can be used to give the body energy.  
 Humans put food into 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 mashed 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 still left goes into the large intestine  
 Finally, waste products leave the body  
 Teeth grow in babies when they are about 6 months old  
 20 teeth grow by the time you are about 2.5 years old  
 From about age 6 you start to lose teeth till about the age 12  
 These teeth are replaced by 32 permanent teeth  
 Incisors, Canines, Pre-Molars, Molars What are Molars and Pre-Molars? • Back teeth for crushing and grinding food  
 What are Canines? • Long pointed teeth for grabbing food  
 What are Incisors? • Front teeth for snipping and cutting food  
 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'  
 Food chains start with a producer (usually a green plant or algae)  
 Consumers get their food by eating plants or other animals  
 Animals which eat other animals are called predators  
 Animals that are eaten by other animals

### Vocabulary

Mouth	The opening through which food passes into the body and which in humans is surrounded on the outside by the lips and contains the tongue and teeth.
Tongue	a fleshy movable part of the mouth used in tasting, in taking and swallowing food, and by human beings in speaking.
Pharynx	Another name for the throat, is a part of the body that helps with eating and with breathing. It is a passage that leads from the mouth and nose to the oesophagus and the larynx.
Oesophagus	A tube that connects the mouth to the stomach
Liver	An organ which cleans your blood. It produces an important digestive liquid called bile. It stores energy in the form of a sugar called glycogen.
Stomach	The pouch into which food passes from the oesophagus for mixing and digestion before passing to the small intestine
Gallbladder	A small sac in which bile from the liver is stored
Pancreas	A long, flat gland that lies behind the stomach. It produces enzymes that are released into the small intestine to help with digestion.
Large Intestine	Once most of the nutrients have been removed, the remaining food, which is mostly waste, moves into your large intestine to be prepared for disposal
Small Intestine	Where most digestion takes place and where nutrients from the broken down food get absorbed into your body.
Energy	The property that gives humans strength
Waste	Unwanted substances in the body

# Weston Turville CE School Primary School– Science Assessment



Topic: Animals Including Humans

Year: 4 Autumn 1

Strand: Biology – Teeth and Healthy Eating

Question 1: What is another name for the throat?	Start of unit:	End of unit:
Duodenum		
Esophagus		
Enzymes		
Trachea		

Question 2: What does the liver do?	Start of unit:	End of unit:
Helps chew, taste or swallow		
Produces bile which helps to absorb fats		
Connects the mouth to the stomach		

Question 3: How many teeth does an adult human have?	Start of unit:	End of unit:
28		
32		
40		

Question 4: What is the function of the canine tooth?	Start of unit:	End of unit:
To crush and grind food		
To rip and tear food		
To cut and snip food		

Question 5: What do the arrows mean in a food chain?	Start of unit:	End of unit:
Is food for		
Is made by		
Is a predator of		

Question 6: What is the first item in any food chain called?	Start of unit:	End of unit:
The producer		
The consumer		
The predator		
The prey		

Question 7: What is the tertiary consumer in this food chain?	Start of unit:	End of unit:
The mouse		
The snake		
The hawk		

Question 8: What is an omnivore?	Start of unit:	End of unit:
An animal or human that eats meat		
An animal or human that eats plants		
An animal or human that eats meat and plants		