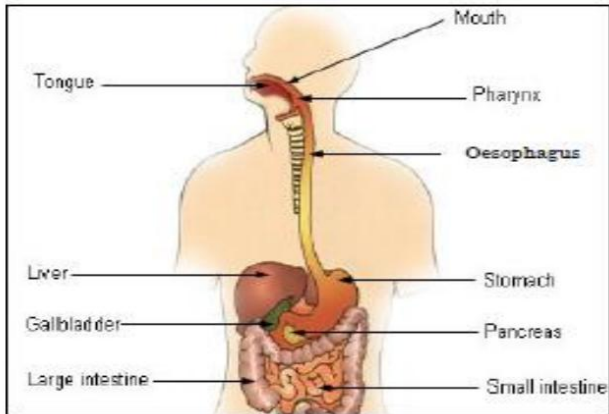


# Year 4 Science Learning Organiser: Animals, including Humans

## 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           |



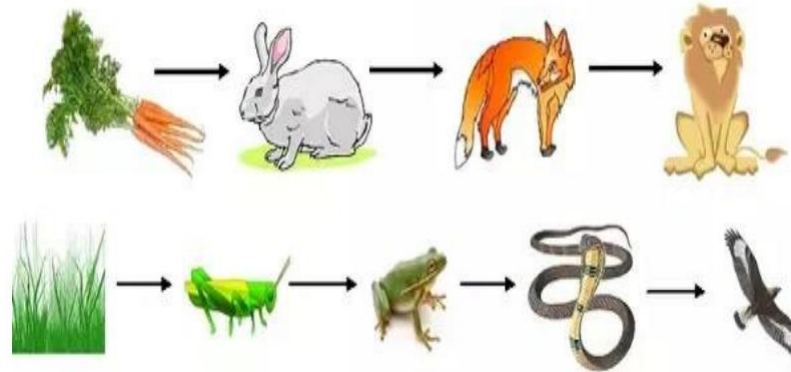
## The digestive journey of food

- 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<br>A consumer can be a predator, prey or both<br>The arrow means 'is food for' |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|

## Some Different Food Chains



## Tooth Decay

Decay is what happens when the acid created in your mouth attacks your teeth, and breaks its way through the surface of your tooth, making a small hole called a cavity



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

## Key Vocab

|   |                              |                                                                        |
|---|------------------------------|------------------------------------------------------------------------|
| 1 | <b>Energy</b>                | The property that gives humans strength                                |
| 2 | <b>Waste</b>                 | Unwanted substances in the body                                        |
| 3 | <b>Molars<br/>Pre molars</b> | Back teeth for crushing and grinding food                              |
| 4 | <b>Incisors</b>              | Front teeth for snipping and cutting food                              |
| 5 | <b>Canines</b>               | Long pointed teeth for grabbing food                                   |
| 6 | <b>Producer</b>              | Food chains start with a producer (usually a green plant or algae)     |
| 7 | <b>Consumer</b>              | A living thing which gets their food by eating plants or other animals |
| 8 | <b>Predator</b>              | Animals which eat other animals                                        |
| 9 | <b>Prey</b>                  | Animals that are eaten by other animals                                |