

# Living Things & their Habitats

## Life processes

There are seven things that all living things do. These are called **life processes**.

'MRS GREN' will help you remember!

**M**ovement  
**R**espiration  
**S**ensitivity

**G**rowth  
**R**eproduction  
**E**xcretion  
**N**utrition



All living **things** move.  
All living things take in **gas** and release gas. Being able to **hear, see, smell, feel and taste**.

To get **larger** or **taller**.  
Having **offspring**.  
Getting rid of **waste** products.  
Consuming **food** for energy.

## The five animal groups



### Mammals

Hair on body  
Mother produces milk for offspring



### Reptiles

Scaly skin  
Born on land  
Cold-blooded



### Amphibians

Born in the water  
As they grow older, they develop lungs so they can live on land.



### Birds

All have feathers  
Most can fly and have wings.



### Fish

Live in water  
Have fins and scales  
Use gills to take in gas

## Reproduction in animals

### Mammals

A mammals offspring grows inside the mother's womb. The mother provides nutrients and oxygen to the foetus (unborn baby). When a mammal carries a foetus it is pregnant.

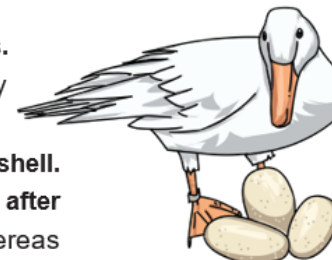
In order to **create a baby**, two mammal parents (a male and a female) are needed. A male **sex cell**, called a **sperm**, fertilises the female sex cell, called an **egg**.



Reproduction is the process in which living things create offspring (**children or babies**). Off spring will have DNA from parents and have similar characteristics.

### Birds and Reptiles

Birds and reptiles **lay eggs**.  
The shell **protects** the baby and when it is ready, it will break out of **the shell**. Baby birds will be **looked after** by their mothers, whereas adult reptiles **do not look after** their **babies**.



### Amphibians and fish

Fish and most amphibians also **lay eggs** but in water. Eggs laid by amphibians are **called spawn**. Fish lay **hundreds of eggs** and when they hatch they look **after themselves**.



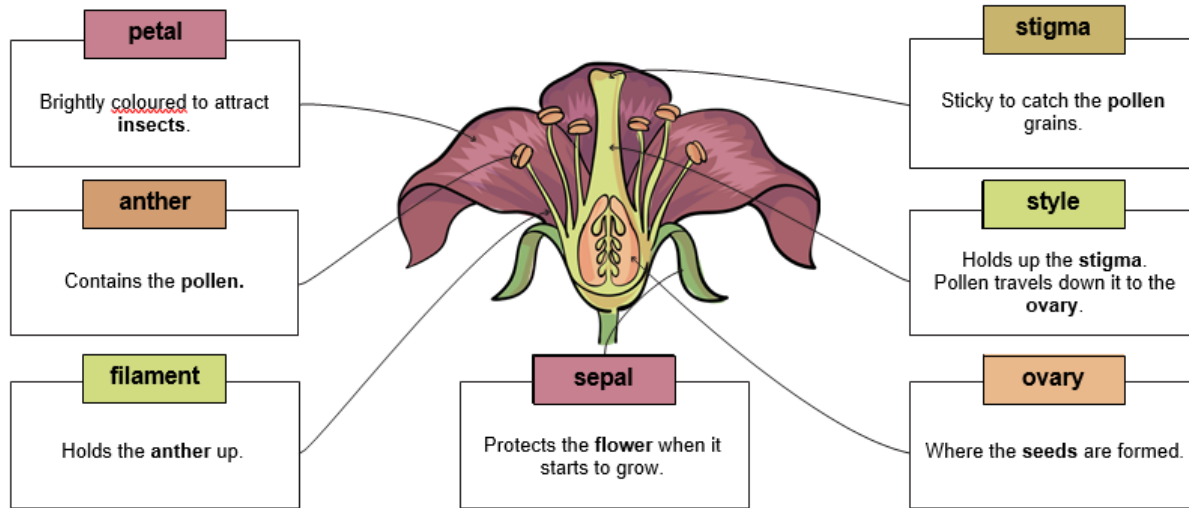
**MAPLE TREE**  
PRIMARY SCHOOL

Learning. Equality. Achievement. Friendship.

# Reproduction in plants

## The Flower

The flower's main job is to create new **seeds to grow new plants**. There are lots of **different parts** of the flower.

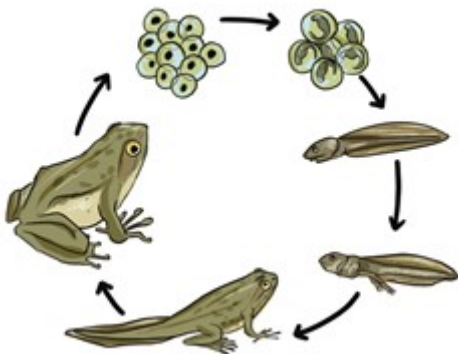


## Pollination and seed dispersal

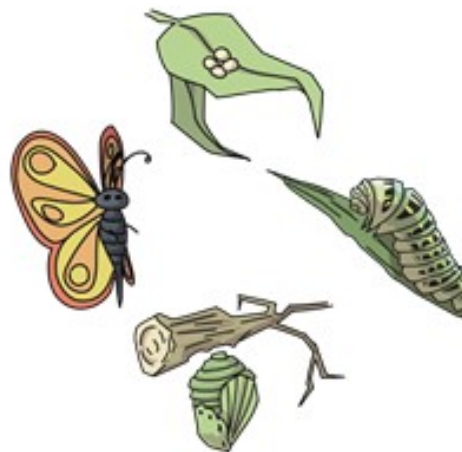
Pollination is when **pollen** from the anther is **transferred** to **the stigma**. This can happen **by wind** or **by a pollinator** such as a **bee** or a **butterfly**. Once the pollen is transferred to the stigma, it travels down the style to **the ovary** where the seed grows. Seeds are then dispersed and will grow in **different places**. Seeds can be dispersed by exploding plants, wind, water or animals.

## Life Cycles

### Frog life cycle



### Butterfly life cycle



### Strawberry life cycle

