



# Y5 Science – Life Cycles

## Life Cycle of Plants

Plants are able to reproduce in two different ways. Sexual reproduction involves pollen from one flower fertilising the egg of another to produce a seed. Only one parent is needed in asexual reproduction and the offspring are exact copies.

Sexual reproduction in plants happens in a cycle. Flowers come from seeds and they create seeds too. All flowering plants go through the same life cycle.

### Germination

A plant begins to grow from a seed.

### Pollination

Pollen produced by a flower is carried by insects or the wind to another flower.

### Fertilisation

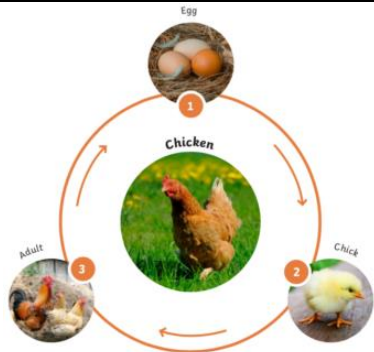
When the pollen reaches another flower, it travels to the ovary where it fertilises the egg to make seeds.

### Seed Dispersal

These seeds are scattered by animals or the wind. Some of these seeds grow into new plants.

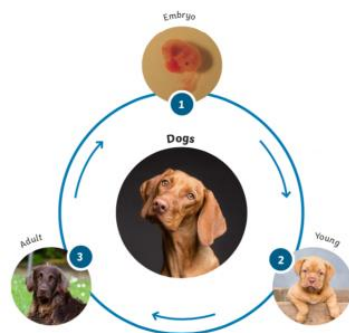
## Life Cycle of a Bird

An adult lays an egg which has a chick (baby bird) growing inside it. The egg hatches but the chick is still reliant on the adult to feed and care for it. Eventually, it becomes an adult and can reproduce itself.



## Life Cycle of a Mammal

The young are born live. They grow from babies to adults. When they are adults, they can reproduce to have more young themselves.



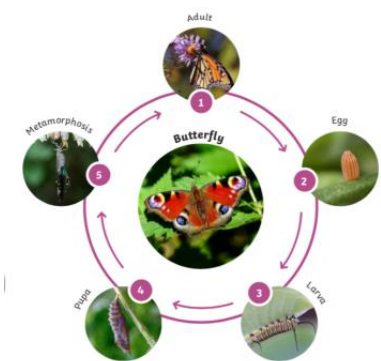
## Life Cycle of an Amphibian

An adult lays eggs in water. These eggs hatch and the young develop and grow. The young may change as they grow. Eventually, they become adults and can reproduce in water themselves.



## Life Cycle of an Insect

An adult lays an egg. What comes out of the egg will change or transform (metamorphosis) as it grows. Eventually, it becomes an adult and can reproduce itself.



## Vocabulary

<b>Life Cycle</b>	The process of birth, growth and reproduction.
<b>Reproduction</b>	Living things creating other things.
<b>Metamorphosis</b>	When an animal develops into a different version of itself after birth or hatching.
<b>Mammal</b>	A creature with lungs who's young is born live.
<b>Amphibian</b>	A creature born with gills but develops lungs.
<b>Insect</b>	A creature with three body sections and six legs.
<b>Bird</b>	A creature with lungs that has feathers and lays hard eggs.