









Vocabulary

1 sexual reproduction	a male and a female produce offspring (baby plants or animals)	6 larva		the young form of an animal, that at birth or hatching, looks very different from its parents e.g. a caterpillar is the larva of a butterfly; the tadpole is the larva of a frog
2 asexual reproduction	only one parent is needed to produce offspring e.g. spider plants	7 pupa		a pupa is an insect that is in the stage of development between a larva and an adult
3 pollination	 pollen from the male part of one plant is taken to the female part of a different plant (often by insects)	8 embryo		this is an unborn or unhatched offspring
4 fertilisation	 this is when the male part of a plant or animal joins with the female part of a plant or animal	9 insect		a small and often winged animal with six jointed legs and a body formed of a head, thorax, and abdomen
5 gestation	 the time a baby animal spends growing inside its mother's uterus (womb)	10 amphibian		a cold-blooded animal with a backbone which spends some of its life cycle in water and some of it on land e.g. frogs

Key knowledge

Life cycle – a series of changes that happen during the life of an organism



Metamorphosis – the physical changes an animal goes through to become an adult

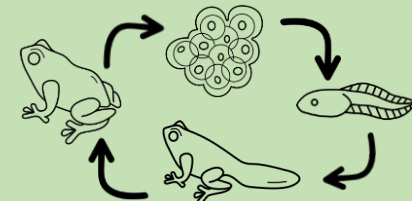
Some animals undergo **complete metamorphosis** which has 4 stages:

Butterfly: egg – larva (caterpillar) – pupa (chrysalis) – adult (butterfly)

Amphibian: egg – larva (tadpole) – froglet (immature frog) – adult (frog)

Some animals undergo **incomplete metamorphosis** which has 3 stages

Grasshopper: egg – nymph (which look a lot like their adult form) – adult



Mammals have backbones, are warm-blooded, have hair or fur and females feed their young with milk. There are 3 types of mammal:

Placental mammals – a mammal which grows inside its mother's uterus (womb) e.g. **whale** and human

Monotremes – a mammal which lays a soft-shelled egg e.g. echidna and **duck-billed platypus**

Marsupial - a mammal which grows and is suckled in its mother's pouch e.g. **kangaroo** and koala

