

## Reproduction and life cycles

### Living things reproduce

The number of living things increases as a result of their reproduction.

**Reproduction:** Producing new individuals of the same type, which ensures the survival of the species of living things.

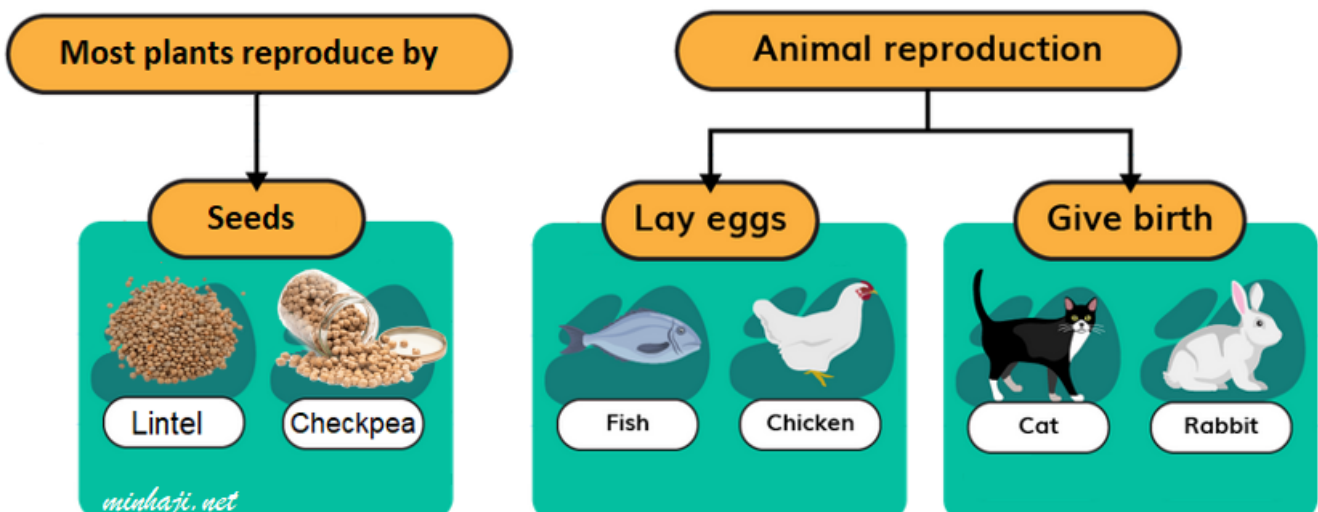
### The importance of reproduction for living things

- The number of living things increases as a result of reproduction.
- Reproduction ensures the survival of living things.

### Methods of reproduction in living things

Living things reproduce in different ways, including:

- Some animals reproduce by giving birth; like cats.
- Some animals reproduce by laying eggs; like chickens.
- Most plants reproduce by seed.



## Life cycles of living things

A living thing goes through different stages called the life cycle.

**The life cycle:** The different stages of growth of living things.

## Stages of the life cycle of a living thing

- The life cycle of a living thing begins at the beginning of its life.
- The living thing grows and changes in size and shape.
- The living thing becomes fully grown and capable of reproducing new individuals.

## The life cycle of an animal

Each animal has a life cycle that differs from other animals in its shape and size.

## The life cycle of a bird

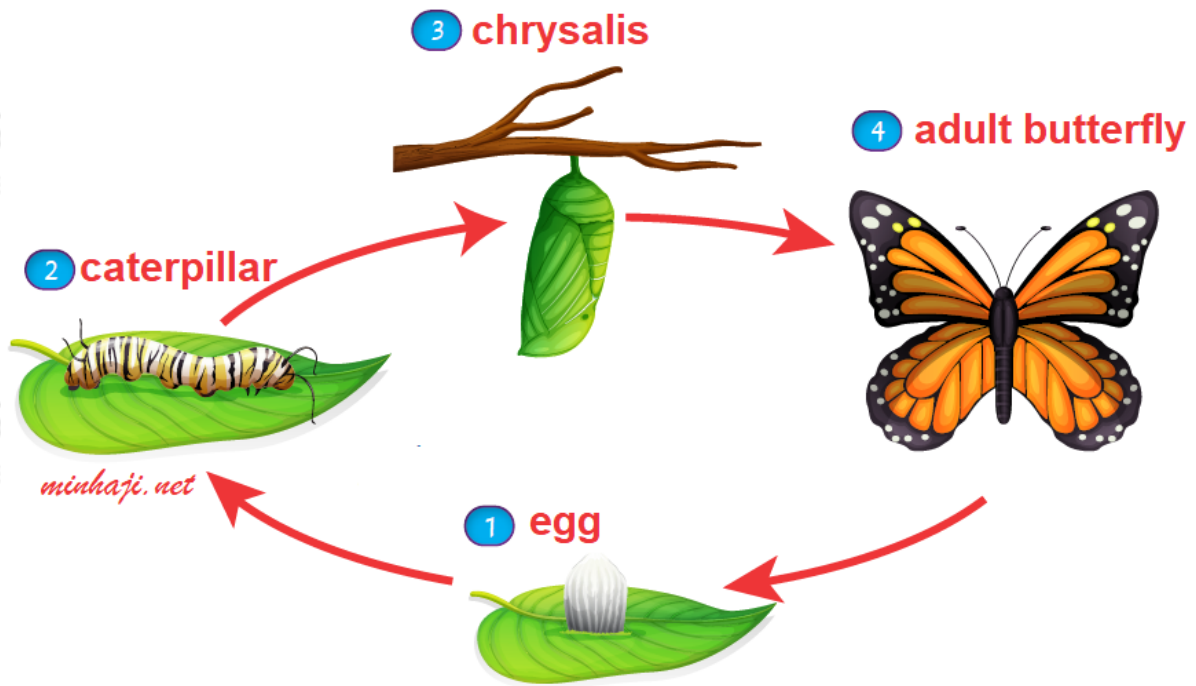
- 1 The life cycle of a bird begins with the egg.
- 2 The egg hatches into a small bird.
- 3 The bird grows and changes in size until it becomes a fully grown bird.
- 4 The bird becomes capable of reproduction and producing new individuals.



## The life cycle of a butterfly

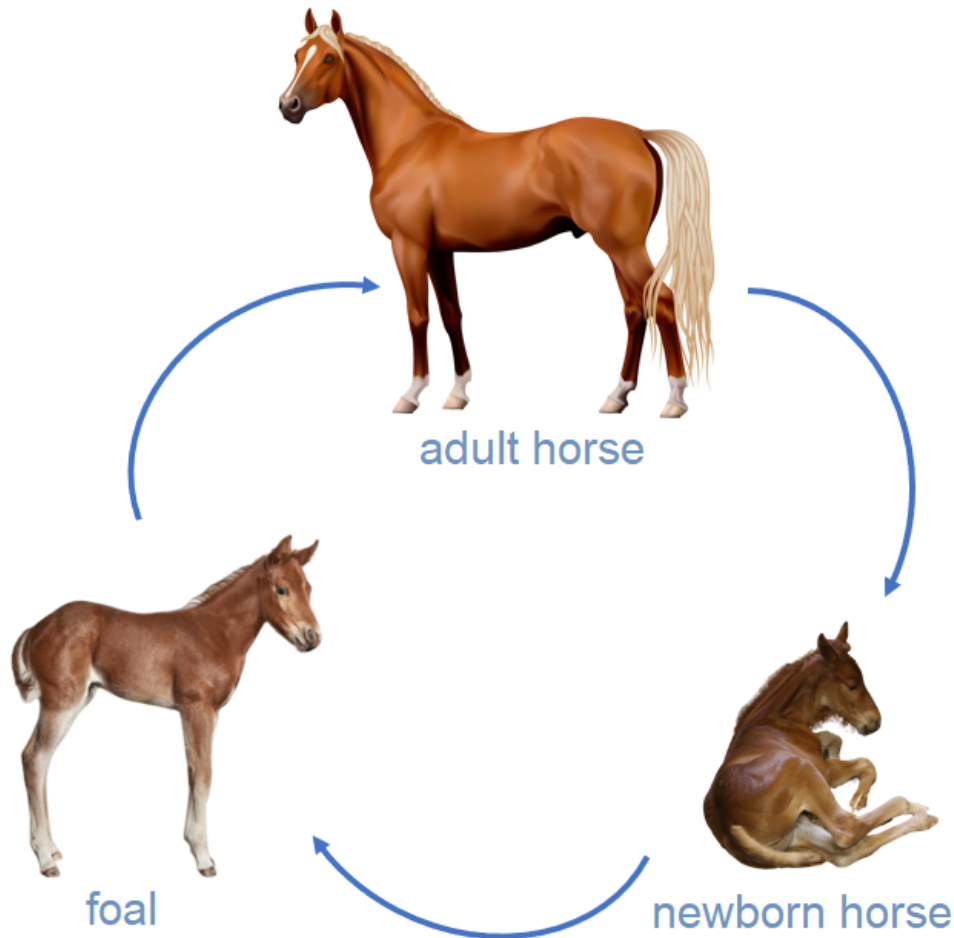
The butterfly goes through four stages in its life cycle, which are:

- 1 The egg.  
The butterfly lays eggs on plant leaves.
- 2 The caterpillar.  
The caterpillar emerges from the egg and feeds on plant leaves.
- 3 The chrysalis.  
The caterpillar transforms into a butterfly that is preparing to emerge.
- 4 The butterfly is fully grown.



## The life cycle of a horse

- 1** A female horse (mare) gives birth to a small (foal).
- 2** The foal grows, matures, and becomes capable of producing new individuals.



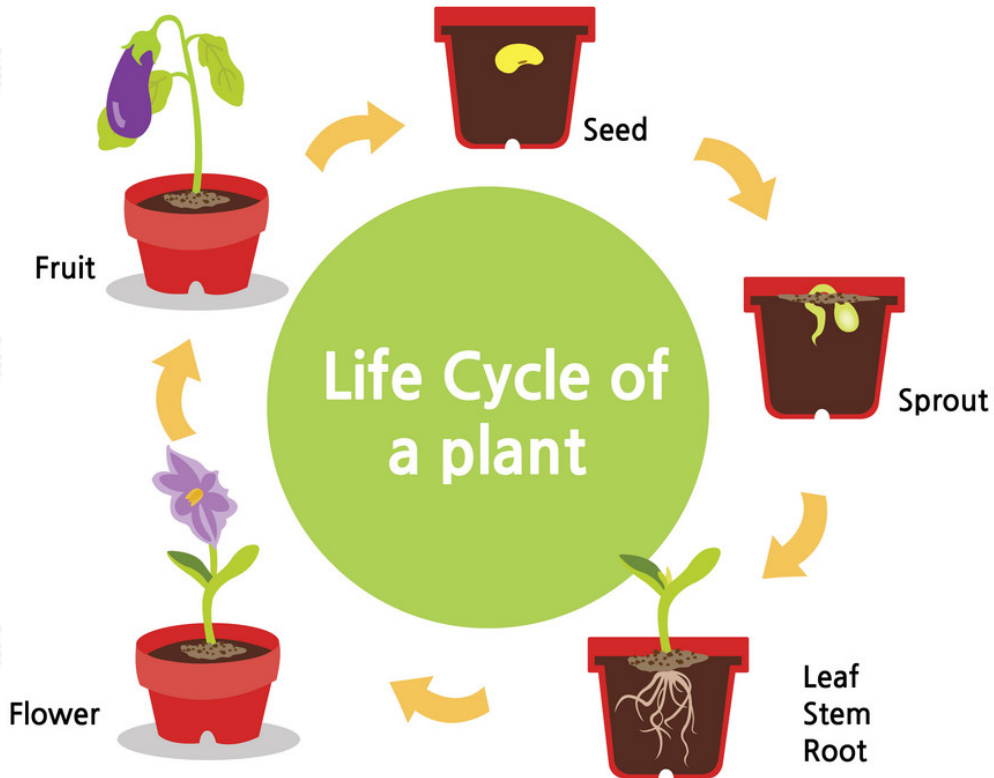
## The life cycle of a seed plant

Seed plants are plants that reproduce seeds.

Seed plants have a life cycle called the life cycle of a seed plant.

Seed plants go through the following stages:

- The seed is placed in the soil, and the conditions for its growth are available.
- The seed turns into a sprout.
- The sprout grows and becomes a fully grown plant with the ability to produce new individuals.



### The life cycle of a lemon

- 1 The lemon seed turns into a small sprout.
- 2 The sprout continues to grow until it becomes a fully grown plant.
- 3 The fully grown plant produces flowers.
- 4 The flowers turn into fruits.

