

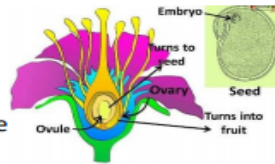
SMRP Knowledge Organiser for Year 5: Life Cycles and Reproduction



Life cycle of a Plant

REPRODUCTION IN PLANTS

Pollen is carried by insects or blown by the wind from one flower to another. The pollen travels to the ovary where fertilisation occurs and seeds are made. Seeds are dispersed by animals or the wind and some seeds will grow into new plants.



Science knowledge

For most animals which live on the land, offspring are fertilised inside the mother's body. This happens in 1 of 3 ways: 1) The young develop inside the female and are born alive (most mammals). 2) Fertilised eggs are laid outside the female's body and develop in the egg getting nourishment from the yolk. 3) In some animals the eggs are held within the female and hatch as they are laid e.g. a fruit fly.

The **life cycle of an amphibian** has three main stages (egg, tadpole, adult). Lives part of **life cycle** (develops) in the water and finishes **life cycle** (developing) on land

Although each individual animal and plant species has its own specific **life cycle**, all **life cycles** are the **same** in that they begin with birth and end with death. Growth and reproduction are two of the central components of the **life cycles** of plants and animals

The process of producing new individuals from its parents is called **reproduction**. **Plant reproduction** is the process by which **plants** produce new individuals, or offspring

To **reproduce**, **animals** need a male and female. Together they can create offspring, or babies. Some **animals**, such as chickens, fish and snakes, lay eggs which contain their offspring. Other **animals**, including humans, tigers and sheep, grow their babies inside them until they are developed enough to be born.

Science Vocabulary

Word	Definition
reproduction	As part of their life cycle plants and animals reproduce. There is sexual and asexual reproduction.
offspring	a person's child or children.
foetus	An animal or human being in its later stages of development before it is born.
embryo	An unborn animal or human being in the early stages of development.
womb	the organ in the lower body of a woman or female mammal where offspring are conceived
gestation	The length of time a mammal carries her offspring inside her body before giving birth.
baby	a very young child.
toddler	a young child who is just beginning to walk
teenager	a person aged between 13 and 19 years
elderly	of or relating to persons in later life .
growth	the process of increasing in size
development	an event constituting a new stage in a changing situation
puberty	the period during which adolescents reach sexual maturity and become capable of reproduction

Life cycle of Animals

