

5 Knowledge Organiser - Living Things and Their Habitat Year 5

Key Vocabulary

Fertilisation	The process of the male and female sex cells fusing together.
Gestation	The process of time when prenatal development takes place before birth.
Reproduce	To produce young.
Asexual reproduction	A process where one parent produces new life.
Sexual reproduction	A process where two parents- one male and one female- are required to produce new life.
Metamorphosis	An abrupt and obvious change in the structure of an animal's body and their behaviour.
Pollination	The transfer of pollen to a stigma to allow fertilisation.
Life cycle	The changes a living thing goes through, including reproduction.

Key learning

- I understand the process of reproduction in animals.
- I know the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- I know the life process of reproduction in some plants.
- I can compare the life cycles of plants, mammals, amphibians, insects and birds.

Important people/events/pictures

Sexual reproduction in flowering plants works by pollination. → **Pollen produced by the male parts (stamen) of the plant need to touch the female parts (carpal) of another plant.** → **This results in fertilisation, and eventually seeds are released.** → **These grow into offspring.**

Humans develop inside their mothers and are dependent on their parents for many years until they are old enough to look after themselves.

Amphibians such as frogs are laid in eggs then, once hatched, go through many changes until they become an adult.

Some animals, such as butterflies, go through **metamorphosis** to become an adult.

Birds are hatched from eggs and are looked after by their parents until they are able to live independently.

- Do the home learning tasks related to the stages of life cycles of different animals..
- Go online and research mammals that lay eggs rather than give birth to a live young.
- Research and compare different types of reproductions of plants and animals (including humans). What is similar? What is different?

What can I do at home to support my learning?

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