

Life Cycles and Reproduction A and B

Useful websites

Science

Life Cycles

https://www.youtube.com/watch?v=CH_YkA6De

04

Year 5 Summer

Sticky Knowledge

What are the stages of a mammal's lifecycle?

The life cycle of a mammal has four main stages: foetus, young, adolescent and adult. • Most mammals give birth to live young.

What are the stages of a frog's lifecycle?

The life cycle of a frog has four main stages: frogspawn, tadpole, frog let and adult frog. Tadpoles take around 14 weeks to transform into frogs. •

Discuss the features and lifecycle of an insect.

Insects are small animals that have three body sections, six legs and antennae, and usually lay eggs. • There are four main stages of the life cycle of an insect: egg, larva, pupa and adult

Discuss the features and lifecycle of birds.

The life cycle of birds includes five stages: egg, hatchling, nestling, fledgling and adult bird. • Birds reproduce by laying eggs. • Eggs are incubated by parents until they hatch

Can you discuss the work of David Attenborough?

David Attenborough is a naturalist and has documented the life of many animals and has raised environmental concerns.

How can data be recorded over time?

Pollination involves the transfer of pollen from the male anther of a flowering plant to the female stigma of a flowering plant. • Pollen grains attach to the sticky stigma and travel down the style into the ovary. • Fertilisation occurs when a





• **metamorphosis** - the process by which the young form of an insect or amphibian changes into a distinct adult form



David Attenborough is an English broadcaster, writer, and naturalist.

Key Vocabulary

Vocabulary	Definition
Life Cycle	The series of changes a living thing goes through during its life.
Asexual reproduction	the production of identical offspring from only one parent
Sexual reproduction	a process of making non-identical offspring which requires two parents
Naturalist	A person who studies the natural world.
amphibian	cold blooded vertebrate that lives on land and in water and usually lays eggs.
metamorphosis	the process by which they young form of an insect or amphibian changes into adult form.
monotreme	a mammal that lays eggs
mammary gland	the organ of female mammals that produces milk

- **monotreme** - a mammal that lays eggs, such as the platypus and the spiny anteater

- **offspring** - the young of a living thing

- **mammary gland** - the organ of female mammals that produces milk

- **mammal** - an animal with a spine and with fur or hair on its body, which gives birth to live young and feeds its young on milk

- **life cycle** - a series of stages a living thing goes through during its life

