



Year 5 – Life Cycles

By the end of this topic I will be able to:

- Describe the differences in the life cycles of a mammal, an amphibian and an insect.
- Describe the life process of reproduction in some plants and animals.
- Understand the difference between sexual and asexual reproduction.
- Explain the work of animal behaviourists such as Jane Goodall

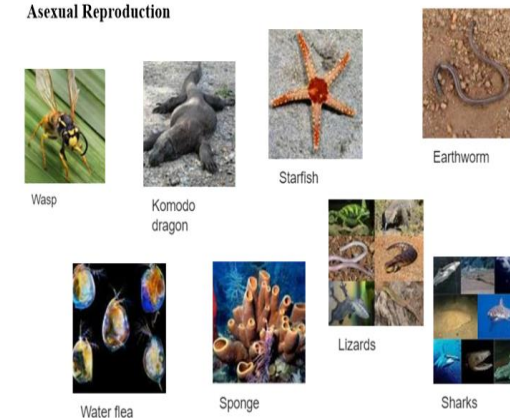
Vocabulary	
reproduction	Process by which new living things are made
sexual reproduction	The production of offspring by 2 organisms
asexual reproduction	The production of offspring by 1 organism
offspring	The young born of living organisms
clone	An identical organism
gametes	The reproductive cells of an organism
ovules	The female reproductive cells (eggs)
sperm	The male reproductive cells
fertilisation	When a male and female gametes join to form an embryo or seed
embryo	An unborn or unhatched offspring in the process of development
gestation	The process or period of developing inside the womb between conception and birth
adolescence	The period during which a young person develops from a child into an adult.

What do I already know?

- There are seven common features of living things (movement, respiration, sensitivity, reproduction, excretion, nutrition and growth)
- Animals can be grouped into vertebrates (and then further into fish, reptiles, amphibians, birds and mammals) and invertebrates
- Plants can also be categorised in many different ways e.g. flowering and non-flowering plants.
- The part that flowers play in the life cycle of a plant, including pollination, seed formation and dispersal.
- Animals are often adapted to the habitat they live in. Both natural and man-made events can change habitats over time, placing animals in danger

vocabulary	
metamorphosis	In an insect or amphibian- the process of transformation from an immature form to an adult form in two or more stages.
maggot	a soft-bodied legless larva of a fly or other insect
grub	the larva of an insect, especially a beetle
larva	an immature form of other animals that undergo some metamorphosis
Pupa	The stage of a metamorphic insect that occurs when it's enclosed in a cocoon and undergoes internal changes
To pupate	To become a pupa
chrysalis	An insect pupa
caecilian	a burrowing wormlike amphibian distinguished by poorly developed eyes and the lack of limbs.

Asexual Reproduction



Vocabulary	
bulb	A rounded underground storage organ present in some plants
tuber	A much thickened underground part in the potato, serving as a food reserve and bearing buds from which new plants arise
Plant runner	Plant runners are stemlike growths extending from the growing point of a plant
stem	The main structure that supports leaves and flowers
plantlet	A small undeveloped plant

