

Living things and their habitats – Year 5

Key vocabulary	
life cycle	This shows how things are born, how they grow and how they reproduce.
reproduction	As part of their life cycle plants and animals reproduce. There is sexual and asexual reproduction.
sexual reproduction	Both the male and female are needed. Most animals reproduce sexually.
asexual reproduction	Only one parent is needed. This occurs mostly in plants and bacteria.
fertilise	In animals: When the male sperm reaches the female egg. In plants: When the male pollen reaches the female ovule.
metamorphosis	A major change from one form to another in the life cycle of some animals when they change from young to an adult.
runner	A long stem of a plant that grows along the ground in order to put down roots in a new place.
bulb	A round root of some plants from which the plant grows.
cutting	A piece, such as a roof, stem or leaf cut from a plant and used to grow another plant of the same type.
tuber	A swollen underground stem or root of a plant from which new plants can grow.

Significant scientists

David Attenborough
(born 1926)



Sir David is an English broadcaster and naturalist. He has made many famous wildlife programmes. He was knighted in 1985.

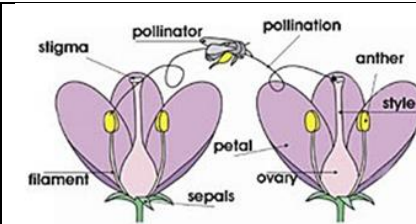
Lucy Evelyn Cheesman
(1881-1969)



Lucy Cheesman was a British entomologist (someone who studies insects) and traveller. She collected over 70,000 specimens of insects, plants and other animals.

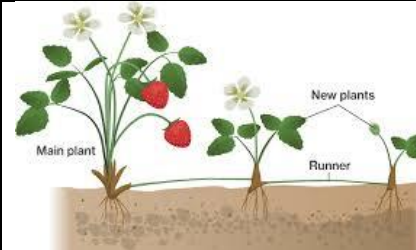
Plants reproduce both sexually and asexually

Sexual reproduction occurs through pollination usually involving wind or insects.



E.g. lily, apple tree, tomato

Asexual reproduction involves only one parent using bulbs, tubers, runners and cuttings.



E.g. spider plant, potato, strawberry

Life cycles of animals

Mammal	
<ul style="list-style-type: none"> - female gives birth to young - Live young are born - young looks like adult - female provides milk for young 	
Amphibian	
<ul style="list-style-type: none"> - eggs laid in water - young go through different form before looking like adult - no parental care 	
Insect	
<ul style="list-style-type: none"> - egg laid and then hatch - some grow to adult but most go through metamorphosis to adult 	
Bird	
<ul style="list-style-type: none"> - eggs laid in a nest - young hatches from an egg - grow to adult - parental care after hatching 	