

photosynthesis

carbon dioxide + water → oxygen + glucose



Lesson sequence

1

•Describe the process of germination in seeds and bulbs

2

•Describe the life cycle of a plant

3

•Describe how some plants reproduce asexually

4

•Describe the features of non-vascular plants

5

•Explore extraordinary plants and fungi

6

•Explore the rainforest and its problems

Knowledge Organiser Exploring the World of Plants

Asexual reproduction

Occurs in plants such as potatoes and strawberries. A strawberry plant sends out a shoot to find a place to grow a new plant. A potato has an 'eye' which can be replanted to make a new potato plant!

Fungi
Are a type of living organism. The most well-known example is a mushroom. They have a very different life cycle to plants.

They often grow on trees or in damp areas on the ground.

There are many extraordinary fungi. Many of them are poisonous to animals or humans.

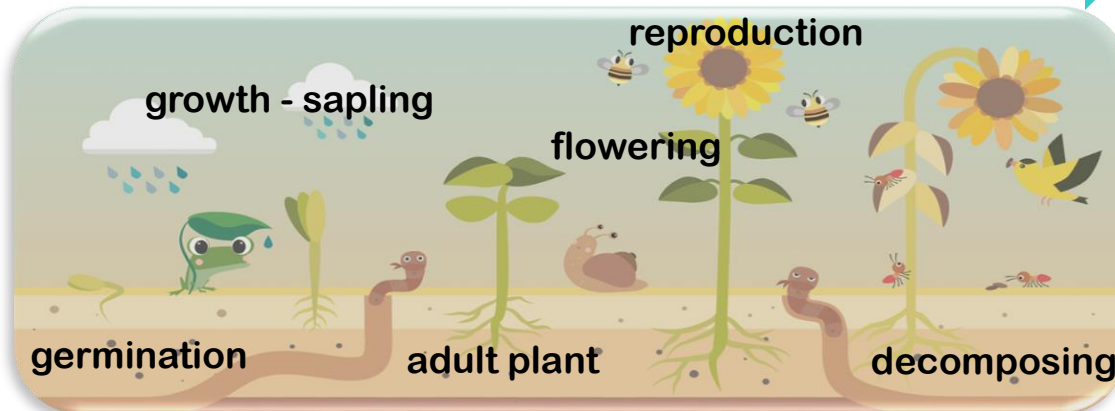
Insectivorous plants

Unbelievably, some plants actually eat insects, not the other way around!

A Venus Flytrap is an example. It has tiny hairs inside it which sense the movement of an insect. At this point, its leaves snap together, trapping the insect inside it.

There are some other plants which even eat small mice!

Plant Life Cycle



ROCKET WORDS

Learn these words and their definitions.

Key Word	Definition
germination	When a seed breaks open and begins to grow.
non-vascular	A plant with no roots, stem or leaves.
asexual reproduction	Producing offspring from only one parent.
fungi	A group of living organisms, which includes mushrooms
insectivorous	A living thing which eats insects.
deforestation	When forests are cut down by humans.
biodiversity	A variety of plant and animal life that lives in a particular habitat.
fertilisation	When the pollen and ovary from a flower meet to form a seed.