

Year 3: What type of science is biology?



Flower/Petals

The flower helps with the plants reproduction. Flower petals are colourful to attract insects for pollination.

Bud

The new growth of a leaf or flower.

Leaf

The leaves absorb sunlight. The energy from the sunlight changes the carbon dioxide from the air, and water from the roots, into food for the plant. This is called

photosynthesis.

Stem/Trunk

The function is to hold the plant upright. It carries water, minerals and food around the plant.

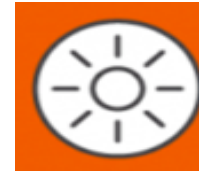
Root

The root anchors the plant to the ground so that it does not blow away.

Root hairs

The root hairs help the root to absorb water and minerals from the soil. The plant needs water for food and to keep its structure.

From year 2 we know that all plants need:



But a healthy plant also requires:



Nutrients

These are found in the soil and are absorbed by the roots.



Space

Plants need enough space both above and below the soil in order to thrive.



Air

The plant absorbs carbon dioxide from the air to make its food.

I wonder, do all plants need the same amount of all of the above?

The Flower

The flower's function is to help create new **seeds**.

Many plants need to mix their **pollen** with other plants. This is called **pollination**.

But how does a plant transfer its pollen?

Insects of course! That is why a flower's design is to attract insects. If you think about how many flowers an insect will visit in a day... that's a lot of **pollination**.

Vocabulary

female	The part of the plant that creates the seed. This is the ovule.
fertilise	When the male and female parts of a flower have mixed to create a seed.
male	The part of the plant that makes the pollen.
ovule	The female part of the plant.
pollen	The fine yellow dust (grains) that is released from the male part of the plant.
pollination	When pollen from one plant reaches the ovule of another plant and creates a seed.
seed formation	A small, hard object that grows into a plant.

How do seeds find their own space to grow?

This is **seed dispersal**; the transport of a seed from the plant to its new location.



eating



carrying



water



dropping



bursting



shaking

CRC Article 17:

All children have the right to find out information.

