

**What should I already know?**

I can identify and name common wild and garden plants and deciduous and evergreen trees.

I can identify and describe the basic structure of flowering plants and trees.



**Enquiry Question**

Do plants grow healthier in the light or dark?

**Vocabulary**

Light	energy that comes from the sun.
warm	temperature is not hot but not cold.
cool	temperature that is near cold.
water	liquid that is needed by all living things.
Grow	when things get bigger
Shade	when light is blocked by an object.
Healthy	when things grow well.
Flower	the part of a plant that blooms
Fruit	a part of a plant that contains seeds
Vegetable	a part of a plant that can be eaten as food, such as a stem, root or leaf

**What plants need to grow**

**Water and Nutrients**

Like animals and humans, plants need water and nutrients to survive.

Plants are able to get water from the soil through their roots.



They can also catch water on their leaves.

**Temperature**

Plants need the temperature to be just right for them to grow properly.



If it is too hot, they will burn and wilt. If it is too cold, they will freeze and die. This is why there are less plants in deserts and at the poles.

**Light**

Plants need lots of sunlight to help them grow.

Plants do not eat food. They use sunlight to make their own food.

If there is not enough light, the plants get weak.



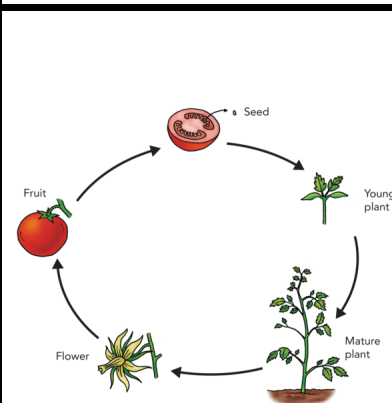
**Space and Time**

Plants need room for their roots and stems to be able to grow. Without enough room, they may not grow large enough.

Plants also need time—it can take days, months or even years for them to grow.



**Life Cycle of a Plant**

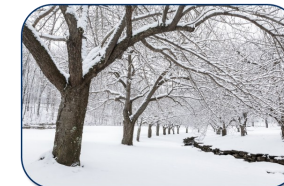


Plants have a life cycle that helps keep new plants growing.

**Seeds/bulb**—Plants begin life as seeds or bulbs. They need soil, air and water to grow.

**Seedling**—Plants grow into young plants. They now need light, temperature, water, space and time to keep growing.

**Flowering/Fruit**—Plants grow flowers and fruits. These produce seeds. When the plant dies the seeds find their way to the soil and the process starts again.



**Books to support learning:**

**Plant The Tiny Seed** by Christie Matheson

**National Trust: Sam Plants a Sunflower** by Kate Petty