

Knowledge Organiser Science

Plants light and dark

Key Vocabulary

Plant	A living thing that usually grows in soil
vegetable	Part of a plant that can be eaten as food
herb	A plant used to flavour food
seed	Part of a plant that can grow into a new plant
Sun light	Light from the sun
Blossom	Flowering part of tree
Leaf	Flat green part of a plant
stem	Long thin part of a plant
Trunk	Main stem of a tree
branch	Part of a tree that grows from the trunk
Independent Variable	what will change)
Dependent Variable	what will be measured)
Controlled variable	what is kept the same



Prior Knowledge

y1	Plant s	Plants have many parts. • Each plant part has a name. • Flowering plants have flowers, stems, roots and leaves
		<ul style="list-style-type: none"> • Trees are a type of plant. • Trees can be different shapes and sizes. • Trees have roots, a trunk, branches and leaves. • Some trees have fruit.
		<ul style="list-style-type: none"> • Wildflowers have not been chosen by humans to grow in their garden. • Most wildflowers have not been planted by humans. • Garden plants have been chosen by humans to grow in their gardens.
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Key Information

- 1 A plant is a living thing. There are many different types of plants. Many plants have flowers or fruit. Parts of some plants can be eaten
- 2 Trees have roots, a trunk, branches and leaves. Many trees have blossom or fruit. Flowering plants have roots, a stem, leaves and petals
- 3 Plants need water to grow and stay healthy. Plants need light to grow and stay healthy. If plants do not have water and light, they may become weak and not grow properly.
- 4 Investigations can be planned and carried out to find out if plants grow better in the dark or light



water and light

