

# Knowledge Organiser

Topic: Plants

Year 1

Strand: Biology

## What should I already know?

- Plants can grow.

## What will I know by the end of the unit?

The names of some **common garden plants**

- People may grow **plants** in their **gardens** and care for them.
- They may grow **flowering plants** which are beautiful to look at or **beans** and **seeds** to grow **plants** for food.
- When **plants** are grown for food, this may be called a **herb garden** or **vegetable patch**.



vegetable patch



rose



poppy



sunflower

The names of some **common wild plants**

- A **wild plant** will grow by itself.
- It does not need to be cared for.
- If it grows somewhere unwanted, it may be a **weed**.



dandelion



daisy



buttercup



nettle



clover

**Deciduous and evergreen trees**

- Deciduous trees** lose their **leaves** in the autumn every year. Their **leaves** are generally broad, flat and have veins running through them.
- Evergreen trees** have green **leaves** all year round. Their **leaves** are generally thick, waxy and narrow like needles.

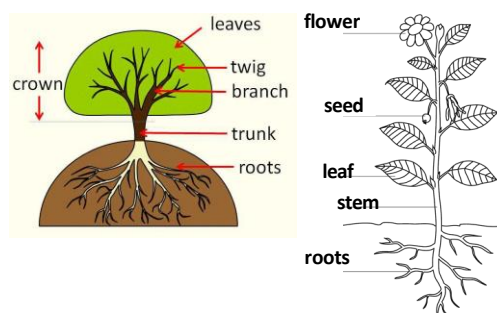


deciduous



evergreen

What are the parts of **common trees and plants**?



## Vocabulary

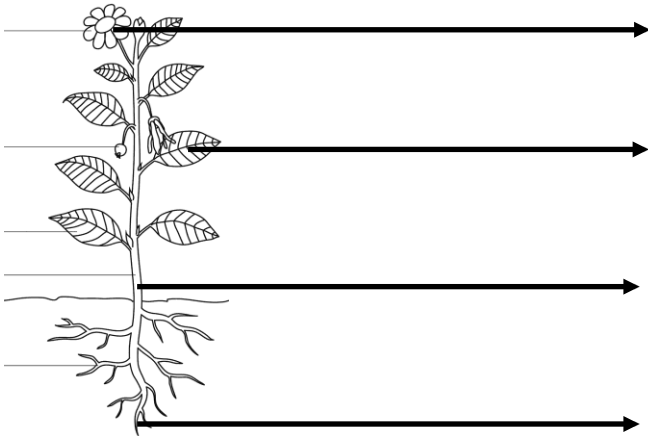
branches	parts that grow out from the <b>tree trunk</b> and have <b>leaves, flowers, or fruit</b> growing on them
bulb	a root shaped like an onion that grows into a <b>flower</b> or <b>plant</b>
common	something that is found in large numbers or it happens often
deciduous	a <b>tree</b> that loses its leaves in the autumn every year
evergreen	a <b>tree</b> or bush which has green <b>leaves</b> all the year round
flower	the part of a <b>plant</b> which is often brightly coloured and grows at the end of a <b>stem</b>
flowering	<b>trees</b> or <b>plants</b> which produce <b>flowers</b>
fruit	something which grows on a <b>tree</b> or bush and which contains <b>seeds</b> or a stone covered by a substance that you can eat
garden	a piece of land next to a house, with <b>flowers, vegetables, other plants</b> , and often grass
herb	a plant whose leaves are used in cooking to add flavour to food, or as a medicine
leaf / leaves	the parts of a tree or plant that are flat, thin, and usually green
petal	thin coloured or white parts which form part of the <b>flower</b>
plant	a living thing that grows in the earth and has a <b>stem, leaves, and roots</b>
roots	the parts of a <b>plant</b> that grow under the ground
seed	the small, hard part from which a new <b>plant</b> grows
stem	the thin, upright part of a <b>plant</b> on which the <b>flowers and leaves</b> grow
tree	a tall <b>plant</b> that has a hard <b>trunk, branches, and leaves</b>
trunk	the large main <b>stem</b> from which the <b>branches</b> grow
vegetable	<b>plants</b> such as cabbages, potatoes, and onions which you can cook and eat
vegetation	<b>plants, trees and flowers</b>
weed	a <b>wild plant</b> that grows in <b>garden</b> and prevents the <b>plants</b> that you want from growing properly
wild	animals or <b>plants</b> that live or grow in natural surroundings and are not looked after by people

## Investigate!

- Plant** a bean or a **seed** and watch it grow. Record your observations in a diary.
- Go on a **wild plant** hunt! Create a **tally chart** to show how many of each **plant** you have found and then use the information to answer questions.
- Plant some **garden plants**, care for them and watch them grow.
- Go on a **tree** hunt around the Country Park - what types of **trees** can you see? Collect fallen **leaves** and identify which **tree** they came from using pictures to help you. Sort the **leaves** between **deciduous** and **evergreen trees**.
- Label the parts of a plant showing where the **leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, and stems** are.

Question 1: If you are caring for a plant, which of these should you do?	Start of unit:	End of unit:
put your plant in the fridge		
water your plant regularly		
put it in a cupboard		

Question 2: To grow a plant, you must first place a _____ in soil.	Start of unit:	End of unit:
seed		
flower		
petal		
stem		

Question 3: Label these parts of a plant:	Start of unit:	End of unit:
<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>leaf</p> <p>stem</p> <p>root</p> <p>flower</p> </div>  </div>		

Question 4: Match these words to the correct description:	Start of unit:	End of unit:
<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; width: 15%;">deciduous</div> <div style="border: 1px solid black; padding: 5px; width: 40%;">a tree that loses its leaves in the autumn every year</div> </div>		
<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; width: 15%;">evergreen</div> <div style="border: 1px solid black; padding: 5px; width: 40%;">a tree that has leaves all year round</div> </div>		

Question 5: Match these words to the correct description:	Start of unit:	End of unit:
<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; width: 15%;">wild</div> <div style="border: 1px solid black; padding: 5px; width: 40%;">a piece of land that is part of a house, where plants , trees and vegetables can grow.</div> </div>		
<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; width: 15%;">garden</div> <div style="border: 1px solid black; padding: 5px; width: 40%;">animals and plants that are not looked after by people</div> </div>		