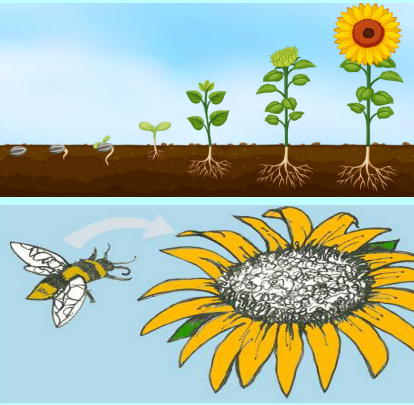


Assessment of prior knowledge

What do you know about plants?
What do they need in order to grow?
Can you name the different parts of a plant and their functions?



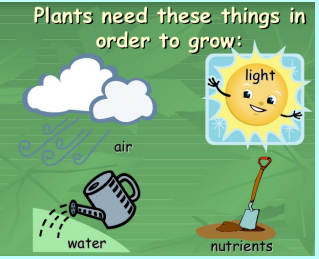
The image contains two illustrations. The top one shows a sunflower growing from a seed through four stages to a full-sized plant with roots visible in the soil. The bottom one shows a bee flying towards a large sunflower head.

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Assessment of prior knowledge

What do plants need in order to grow and stay healthy?

Plants need these things in order to grow:



The illustration shows four elements: a sun with 'light' written next to it, a cloud with 'air' written below it, a watering can with 'water' written below it, and a shovel digging in the soil with 'nutrients' written below it.

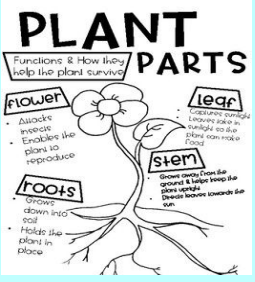
Oct 14-11:27

Assessment of prior knowledge

Can you name the different parts of a plant and their functions?

PLANT PARTS

Functions & How they help the plant survive



The diagram shows a plant with four parts labeled in boxes: 'flower', 'leaf', 'stem', and 'roots'. Each part has a list of functions.

- flower**
 - Attracts insects
 - Enable the plant to reproduce
- leaf**
 - captures energy
 - Leaves convert sunlight into sugar for the plant to make food
- stem**
 - Supports the plant
 - Carries water from the roots to the leaves
 - Stores food
- roots**
 - Grow down into soil
 - Hold the plant in place
 - Take up water and nutrients

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Assessment of prior knowledge

This unit of work is all about **plants**.

1) **Complete your assessment question found on your title page.**
 You will revisit this question at the end of the unit.

Plants

This half term I will learn to:

1. Classify what a plant is and identify the structure of a plant.
2. Plan a fair test to investigate conditions needed for plant growth.
3. Identify what part of plants we eat.
4. Understand the need for plants on Earth.
5. Plan an investigation to discover why plants need space to grow
6. Observe what happens over time to a plant when the leaves or roots are removed.
7. Observe the effects of putting out white containers or cellophane coloured water
8. Compare a plant from a hot climate and a cold climate
9. Draw conclusions from our lines of enquiry
10. Make detailed observations about how plants grow in the environment

Vocabulary

Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal - wind dispersal, animal dispersal, water dispersal, stamens, chlorophyll

Key question

Why does cacti not have big leaves like oak trees?

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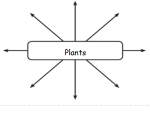
Assessment of prior knowledge

2) **Then complete your Plants Mind Map to show what you already know.**

3) **Ask questions about what you want to find out.**

W.A.L.T. recall prior knowledge Wk: 06.01.20

Complete the mind map: what do you already know about plants?



What questions would you like to find out about plants?

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Assessment of prior knowledge


How did you answer this question?

Why don't cacti have big leaves like oak trees?

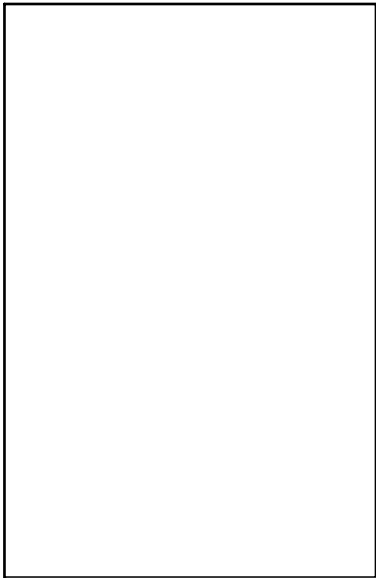


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Assessment of prior knowledge
Plenary
How did you answer this question?
What questions did you ask?



Oct 14-11:27



Oct 12-10:31
