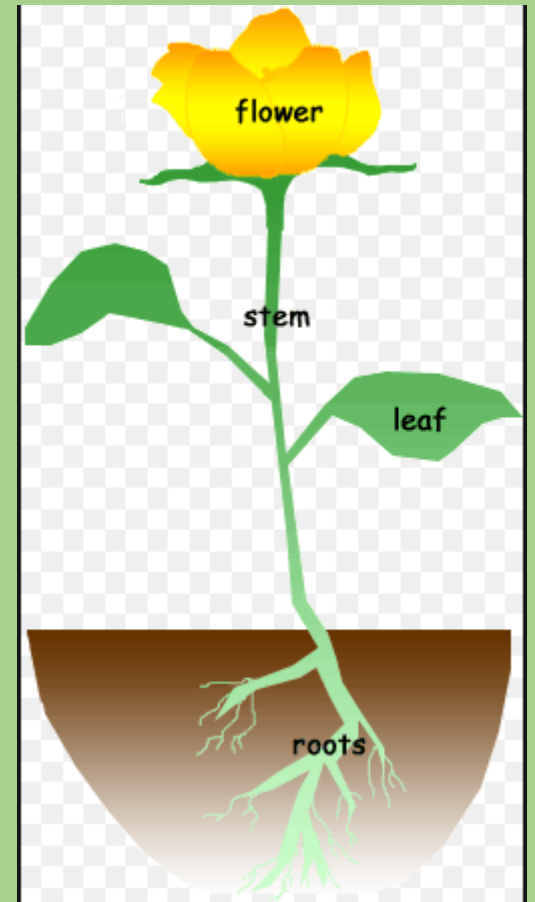


Plants

Tuesday – what do plants need to grow?



What Do Plants Need?



Plants are living things.

There are **7 life processes** that tell us if something is alive.

The 7 life processes are movement, respiration, growth, reproduction, excretion, nutrition and sensitivity. Plants do all 7 of these things.

Plants need certain conditions to help them grow well.

Have you ever looked after a plant?

What did you have to provide it with to help it to grow?

What do you think plants need?
Share your ideas with your class.

L.O: To investigate conditions for plant growth

Ben tried to grow some cress in the dark. Does it look healthy?



L.O: To investigate conditions for plant growth



Plants that are grown with less light often grow tall because they are searching for light.

Plants need light to make food. We will look at this tomorrow.

Plants are often pale in colour as well because the substance that keeps them green is made using light.

L.O: To investigate conditions for plant growth

When **germinating** (growing) plants do better if they are warm.

When growing most plants prefer warmth.

The temperature of something is usually linked to how much light it gets and we know that plants need light to grow healthily. Most plants also need warmth to survive.

L.O: To investigate conditions for plant growth



Plants start to wilt (go floppy) when they don't have enough water to drink.

Plants need water to be able to absorb nutrients from the soil (from their roots)

Plants need water to make food (find out more tomorrow!)

L.O: To investigate conditions for plant growth

Task

Make a poster showing the 7 things that all living things (including plants do).

Include the conditions that plants need to grow healthily.

Challenge

Although we know that plants need warmth, water and sunlight to survive, different types of plant need different types of each. Can you find out about a plant that doesn't need much water or one that can survive in the cold?