

Science!

Plants:

Their parts and
what they need
to grow



Science!



Objectives

- To be able to label the parts of the plant.
- To know what plants need for growth.



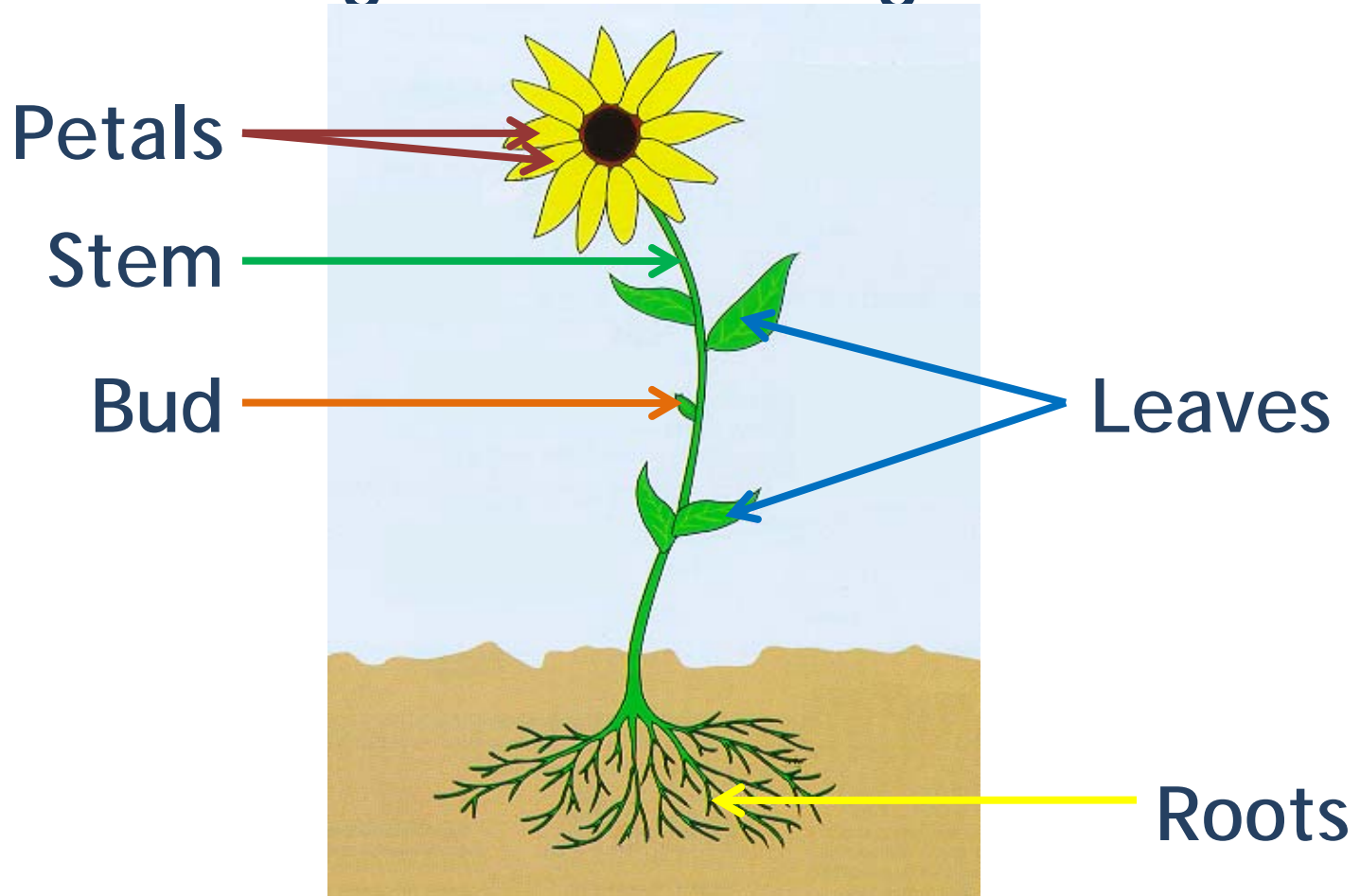
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Can you label the
different parts of
the plant?

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Let's have a go at labelling this flower.



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Quick note!



1 petal



2 petals



1 leaf



2 leaves

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**What plants
need to grow**



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We need to eat food
and drink water to
grow.



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Plants need water too, just like us. But plants don't eat anything. They *make* their own food.

?

So why do plants need fertiliser?



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Fertilisers have nutrients in them.
Plants use the nutrients to *help* them
make their food.

Some of our parents,
or maybe some of us,
take supplements
(extras) too, like
vitamin tablets or cod
liver oil.



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Let's look at the
things plants need in
order to grow
properly.





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What can you see here?



Water

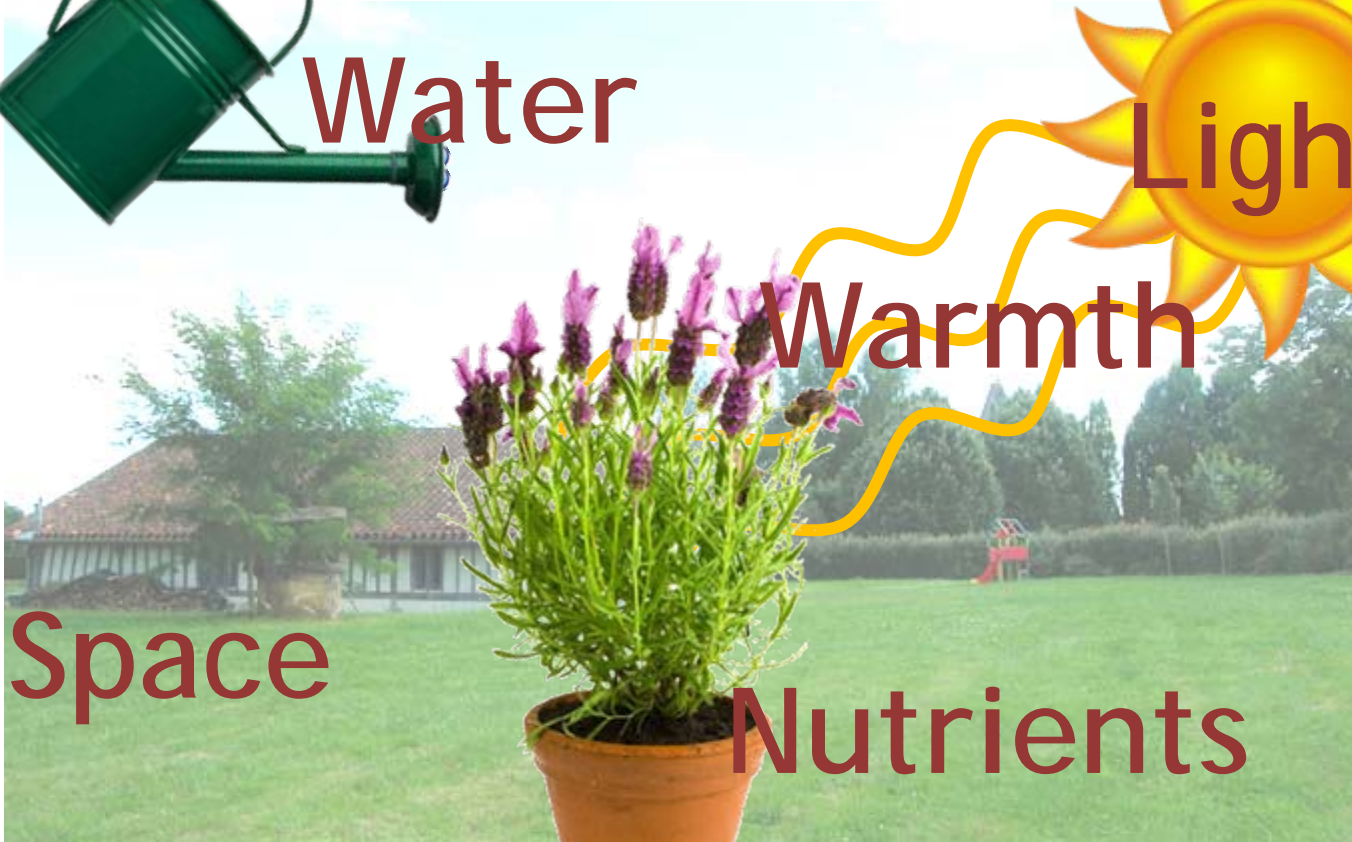


Light

Warmth

Space

Nutrients



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So, can you remember what plants need in order to grow properly?

Now let's find out why they need those things.



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Light

Plants use light to make their own food. When plants make their food, this is called *photosynthesis*.

Photo means *light*.

Synthesis means *making*.

So, plants *make* food by using *light*.

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Warmth

Plants will die if the temperature is too low (if it's too cold).

Think about what happens to plants and trees in the winter season.



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Nutrients

Plants use nutrients to *help* them make their food. Fertiliser contains a lot of nutrients.

Different nutrients help the plant in different ways. Some help the roots grow. Some help the flowers grow.





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Who has a compost bin at home?

You can make your own fertiliser by leaving natural things to rot in your compost bin.



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Water



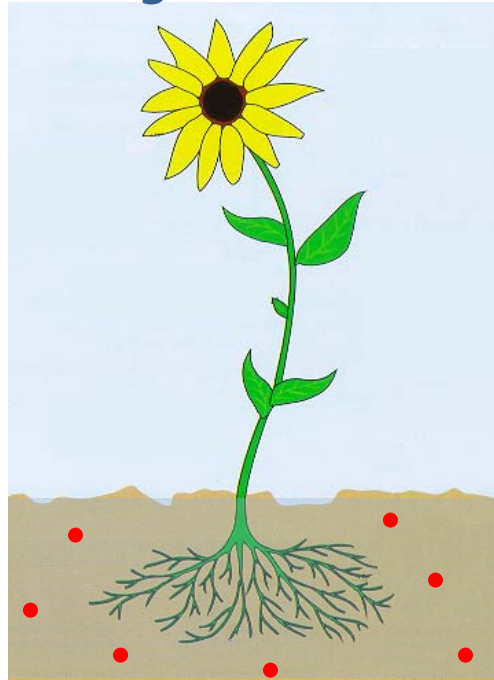
Plants need water for
photosynthesis.

Who can remember what
photosynthesis is?

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Water

The water also dissolves the nutrients so that they can be taken into the plant by the roots.





Science! Space

Plants need space so that they have enough room to grow. Who can think of examples of times when you were in a crowded place?



How did you feel?

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OK, can you list the 5 things plants need to grow?

- Light
- Warmth
- Water
- Nutrients
- Space



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End of slides!