

What Do Plants Need?



twinkl

Aim

- I can use my observations to explain what plants need.
- I can record the results of a comparative test.

Success Criteria

- I can explain what plants need to grow well.
- I can give reasons for my answers.
- I can measure the growth of plants with a ruler.
- I can record the growth of plants by drawing or writing.

Conclusions



What have we found out about what plants need to grow well?



**Sunflower
Seeds**

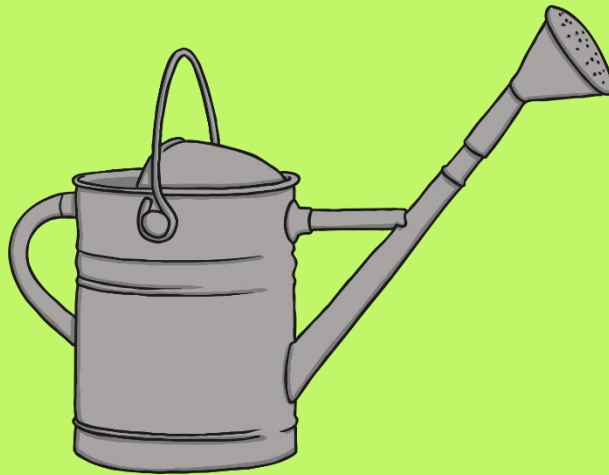
Conclusions



Plants need water to grow well.

Every plant needs water to survive. All living things do!

Some plants like a lot of water, some only need a little.



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Conclusions



Plants need sunlight to grow well.

Seeds and bulbs can germinate and sprout under the soil without sunlight, because seeds and bulbs contain a store of food that the plant uses to begin to grow. When this is used up, the plant needs more food so it can keep getting bigger.

Plants use their leaves to absorb the sunlight and use the energy in the sunlight to make their own food.



**Sunflower
Seeds**

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Conclusions

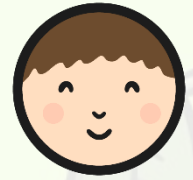


Were our predictions correct?

Did we choose the right conditions for our seeds and bulbs to make sure they grow up healthy and strong?

Sunflower
Seeds

Comparing Seeds and Bulbs



Comparing Seeds and Bulbs: Week ____

Sunflower

Draw your sunflower plant.

Write a description to describe how your sunflower plant has grown so far.

Measure your sunflower plant and fill in the Plant Growth Table.

Narcissus

Draw your narcissus plant.

Write a description to describe how your narcissus plant has grown so far.

Measure your narcissus plant and fill in the Plant Growth Table.

Temperature

We know that plants need light and water to grow, but what about the temperature?

Do you think a plant will grow better in the warm or in the cold?

How can we find out?



Cress

We are going to plant some cress.
Cress is very easy to grow and grows very fast.



Cress



In your pairs, plant 2 trays of cress seeds. One will grow inside in a warm place, one will grow outside where it is cool.

Which one do you think will grow fastest?



You will need:

- A shallow tray
 - Cotton wool or kitchen towel
 - Water
 - Cress seeds
 - Cling film
1. Line your tray with cotton wool or kitchen towel.
 2. Sprinkle it with water until it is damp.
 3. Scatter your cress seeds on top.
 4. Wrap the tray in cling film.

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