

# What Do Plants Need?



# 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.

# Plant Growth Comparative Test

Do you remember when we planted some seeds for our comparative test?

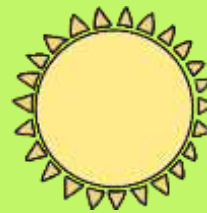
In a comparative test, you look at things closely to see what is the same and what is different.



# Plant Growth Comparative Test



What conditions have we given our seeds?



Have a look at each plant to see how they've grown under each condition. What conclusions can you make about what plants need to grow and stay healthy?

Sunflower  
Seeds

**This seed was given no water or sunlight.**



**Sunflower  
Seeds**

**This seed was given water but no sunlight.**



**Sunflower  
Seeds**

**This seed was given sunlight but no water.**



**Sunflower  
Seeds**

**This seed was given water and sunlight.**



**Sunflower  
Seeds**



# 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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Sunflower  
Seeds

# 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 to make sure they grow up healthy and strong?

Sunflower  
Seeds



**Sunflower  
Seeds**