

Section B: Growing Healthy Plants

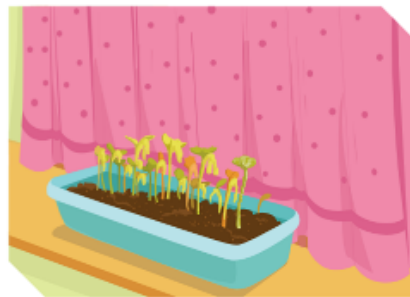
How Does Light Affect Plant Growth?

Light

- * Plants need light to be healthy.
- * Leaves need light to make food.
- * Plants that do not receive light grow tall at first but will die because it cannot make food.



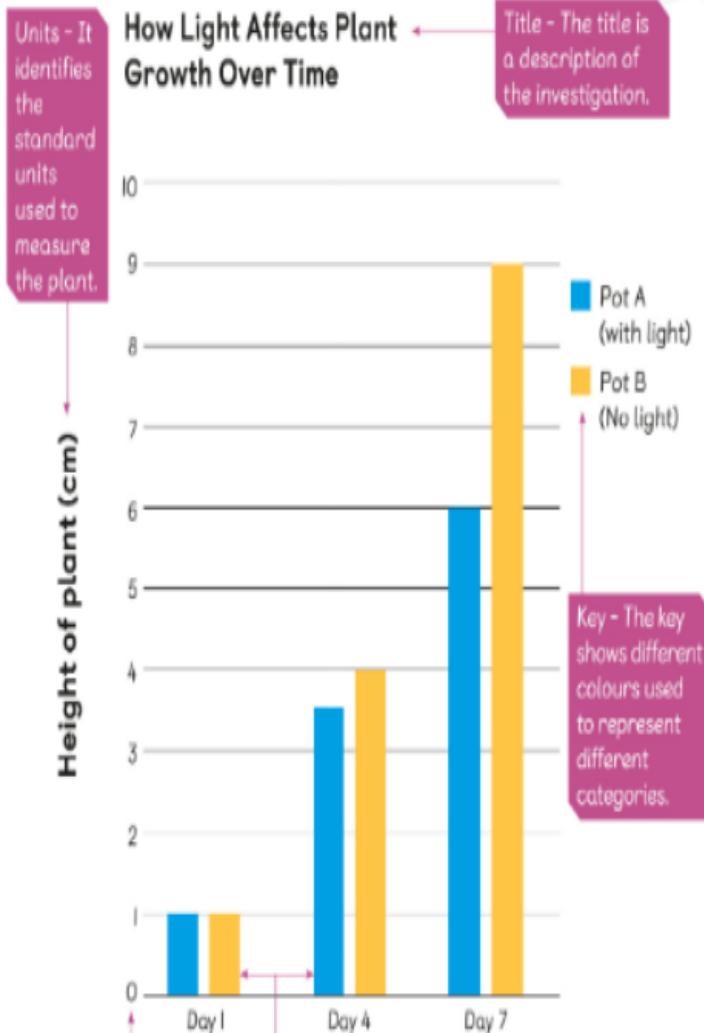
with light



no light

bar chart allows us to easily compare the results

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The plant seems to grow tall quickly because it is searching for sunlight.

However, after some time, the plant will look weak and have yellow leaves. Eventually, the plant will die.

Number scale - Numbers are in fixed intervals. It starts from 0 and ends at the highest value recorded.

Bars - The bars have the same width and are labelled.

Compare the growth of the seedlings in light with those in the dark. Are they different? Why?



How Does Temperature Affect Plant Growth?

Temperature

- Plants need a suitable temperature to be healthy.
- Different plants grow well in different temperatures.
- Usually, plants prefer warmer temperatures.



high temperature



low temperature

How Does Water Affect Plant Growth?

Water

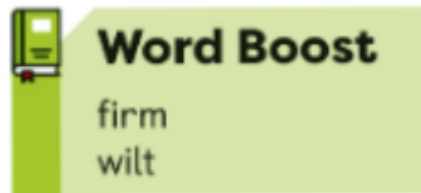
- Plants need water to stay firm and help them make food.
- If a plant does not receive enough water, its leaves will begin to wilt.



enough water



not enough water



firm - not easily bent

wilt - to become limp, to bend towards the ground