

What plants need to grow



Which of these 2 plants looks healthy?

Why did you choose this one?

What do you think might have caused the 2 plants to look like they do?

1

Conditions for growth in plants



Look at the difference between plants grown with light and those grown without light.

Which plant (A or B) grew in the dark? Why did you select this plant? Why is plant A taller?



Plants need light so that they can make their own food which they need for growth and to remain healthy.

2

Plants need to be watered to grow and remain healthy



How could you prevent the plant on the right from dying? Describe what you will see happen if the plant on the right is not watered soon?

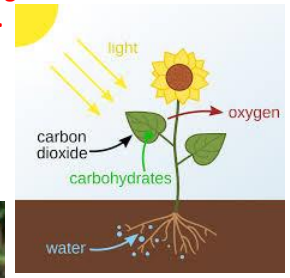
3

Plants need light and water to grow – otherwise they will die.

Plants need water and light to make their own food and grow.

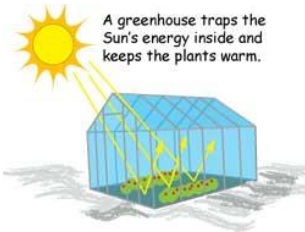
If they do not get enough water their stems will be weak, and their leaves will dry out.

Remember to water your plants!



4

Plants need warmth



A greenhouse traps the Sun's energy inside and keeps the plants warm.

The sun provides plants with both light and warmth.

Sometimes, to get enough warmth, plants need to be grown in a greenhouse in colder climates.

5

Plants are affected by the temperature they are experiencing



Too hot



Too cold

6

Plants need air to grow



Too close together with not enough air.

7

Most plants need soil and nutrients to grow

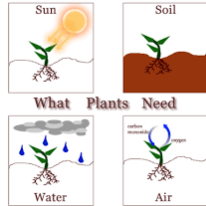


Plants need soil from which the roots get their water and their nutrients.
 This plant is getting all the nutrients it requires from the soil.
 Identify the names of each of the elements required in the nutrients for this plant.

- Ca is
- N is
- P is
- K is
- Mg is
- S is

8

Plants need each of the following to grow & be healthy



Plants need: Light, warmth, water, soil, nutrients and air in order to do well!

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