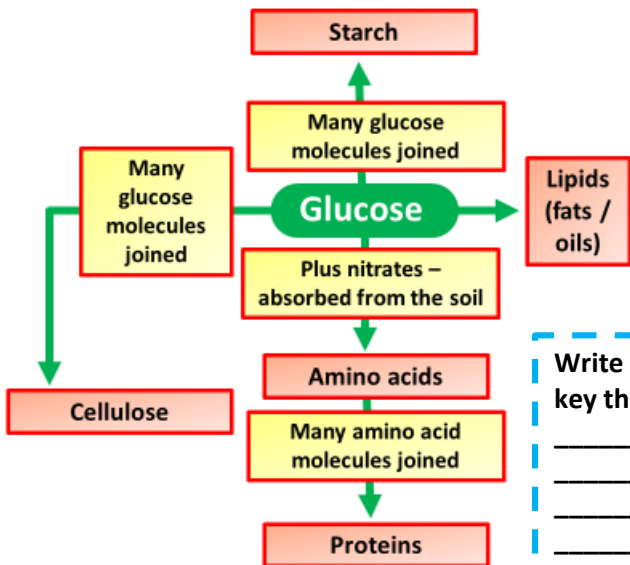


How does a plant grow?

Specification Link:
Home School Project



Task:

Draw a poster to show how a plant grows.

Top Tips:

- Use your knowledge and understanding of photosynthesis to explain the process.
- Use arrows and “close ups” to describe or explain photosynthesis.

Write up a brief plan of how you are going to complete this, noting key things you need to remember:

Highlight key points below

Photosynthesis takes place inside plant cells in small objects called chloroplasts. Chloroplasts contain a green substance called chlorophyll. This absorbs the light energy needed to make photosynthesis happen. Plants and algae can only carry out photosynthesis in the light.

Plants get carbon dioxide from the air through their leaves, and water from the ground through their roots. Light energy comes from the Sun.

The oxygen produced is released into the air from the leaves. The glucose produced can be turned into other substances, such as starch and plant oils, which are used as an energy store. This energy can be released by respiration.

Done	You might have:
	<ul style="list-style-type: none"> • Drawn a plant. • Labelled the leaf, root, flower and stem. • Stated the job of some major organs. • Listed what plants need to grow.
	<ul style="list-style-type: none"> • Drawn a plant, labelling the major organs. • Stated the job of each organ. • Listed what plants need to grow healthily. • Simply described what photosynthesis is.
	<ul style="list-style-type: none"> • Drawn a plant, labelling the major organs and describing the job of each organ. • Drawn a cell in the leaves and labelled some parts of a plant cell. • Explained how the plant gets the substances it needs for photosynthesis. • Written a simple word equation for photosynthesis.
	<ul style="list-style-type: none"> • Drawn a plant, labelling the major organs and explaining the job of each organ. • Drawn, labelled and explained how some of the cells in the roots and leaves are adapted to their jobs. • Written the word equation for photosynthesis. • Explained how the substances for photosynthesis enter and leave the plant.

Questions that you should ask yourself while completing this

What should I do first?

Is something confusing me?

Could I explain this to someone else?

Could I have used more scientific terms?

Where can I look for help?

Have I double checked what I need to include?

How can I do it better?