

Organism HSW Ex HW

How does a plant grow?

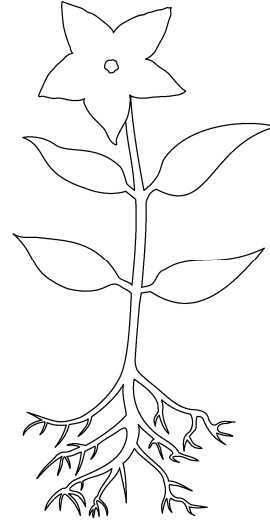
Use your knowledge and understanding of plants and photosynthesis to explain how a plant grows from a seed.

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.
- Try and include the key words below.



Key words:

biomass, carbon dioxide, chlorophyll, diffusion, leaf, minerals, photosynthesis, plant cell, root hair cell, roots, stem, stomata, transpiration, water

To get level	You might have:
4	Drawn a plant, labeling the major organs. Stated the job of each organ. Listed what plants need to grow healthily. Simply described what photosynthesis is.
5	Drawn a plant, labelling the major organs and describing the job of each organ. Drawn a cell in the leaves. Labelled some parts of a plant cell. Explained how the plant gets the substances it needs for photosynthesis. Described an energy transfer involved in photosynthesis. Written a simple word equation for photosynthesis.
6	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. Explained how the mass of a plant increases as it grows. Written the word equation for photosynthesis. Explained how the substances for photosynthesis enter and leave the plant. Explained how plants respire. Explained the energy transfers involved with photosynthesis and respiration in plants.
7	Followed the instructions for level 6, but used detailed knowledge and understanding to describe and explain how the process of photosynthesis is related to plant growth, and: Explained the word and symbol equation for photosynthesis. Discussed the limitations to plant growth.