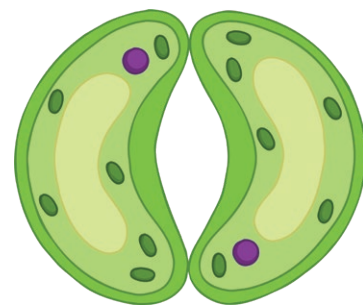
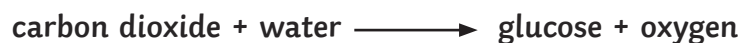


Fact Sheet

- Plants **photosynthesise** to produce their own food.
- The word equation for **photosynthesis**:



- Xylem** vessels transport water around the plant.
- Phloem** vessels transport food substances around the plant.
- To test a leaf for starch:**
 - Boil a beaker of water and leave the leaf in the boiling water for about 2 minutes.
 - Remove the leaf from the water and place in a boiling tube containing ethanol.
 - Place the boiling tube in a beaker of hot water and leave until the ethanol has turned green meaning that the chlorophyll has been removed.
 - Wash the leaf, place on a white tile and add a drop of iodine.
 - If starch is present, the iodine turns black.
- Stomata** are tiny holes on the underside of a leaf which allow carbon dioxide to diffuse in and oxygen and water to diffuse out.
- Plant Minerals**

Mineral	Why it is needed
Nitrates	Healthy growth
Phosphates	Healthy roots
Potassium	Healthy leaves and flowers
Magnesium	Production of chlorophyll

