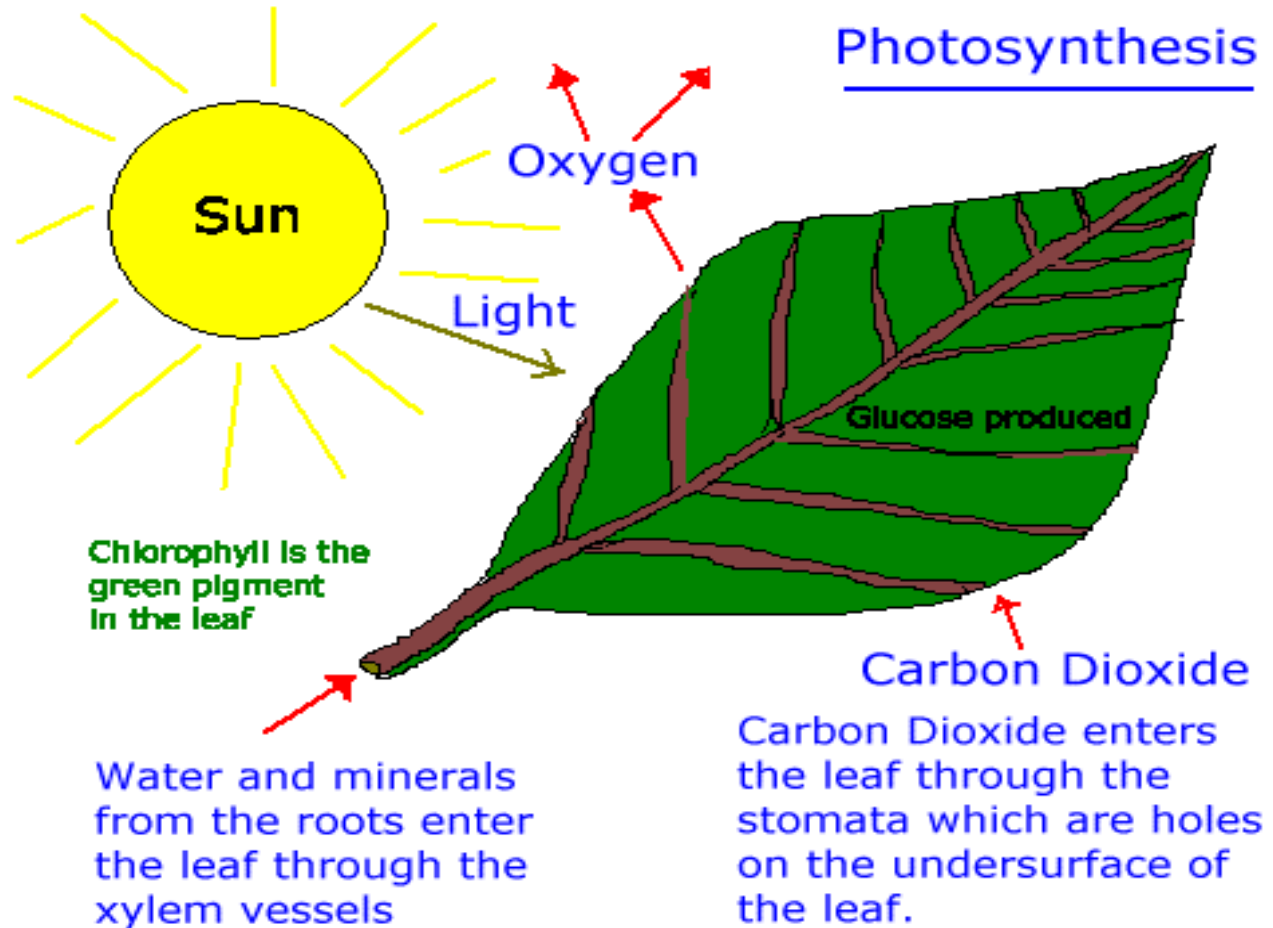


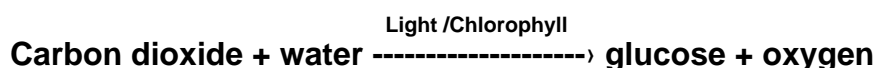
Photosynthesis

Photosynthesis is the process which green plants use to make food.



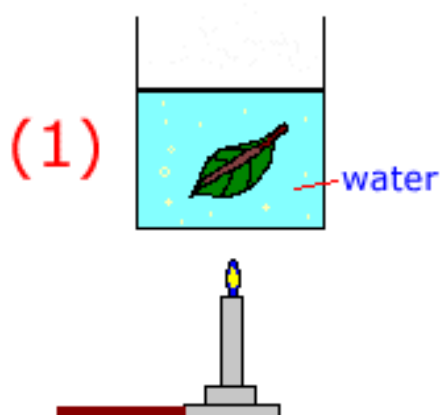
Photosynthesis is the process by which green plants make their food from carbon dioxide and water using the energy of sunlight. The food produced is glucose and oxygen is released from the leaves.

The word equation for photosynthesis is:

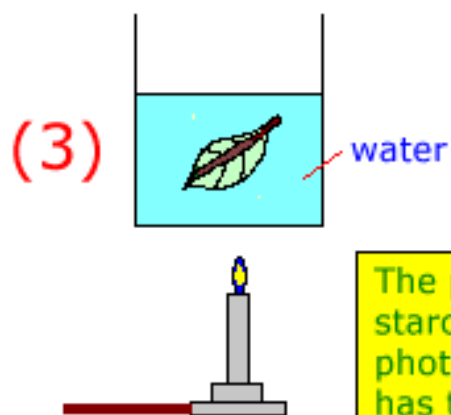


Testing a leaf for starch

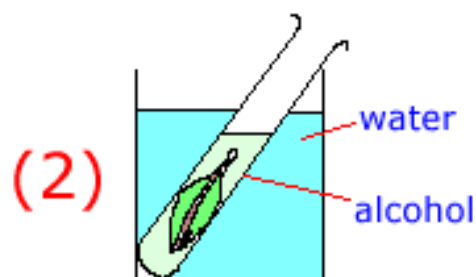
Leaf boiled in water to break down the cell walls.



Leaf heated in water to soften it.



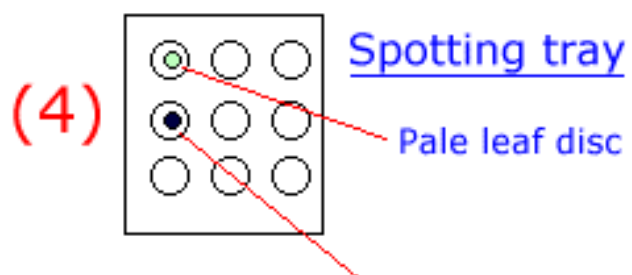
The presence of starch shows that photosynthesis has taken place.



Leaf heated in alcohol to remove the chlorophyll

The leaf goes pale

Important - the bunsen must be switched off because alcohol is flammable.



Leaf disc treated with iodine goes blue-black colour if starch is present.