

Photosynthesis

Photosynthesis is the way plants make food.

REACTANTS

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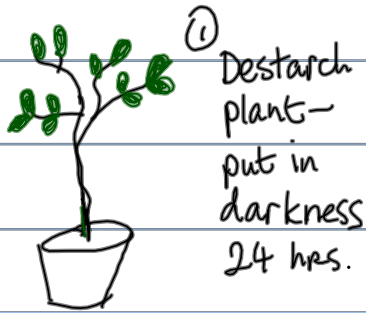
PRODUCT

word equation Water + Carbon dioxide + light → oxygen + glucose

chemical equation $6\text{H}_2\text{O} + 6\text{CO}_2 + \text{light} \rightarrow 6\text{O}_2 + \text{C}_6\text{H}_{12}\text{O}_6$

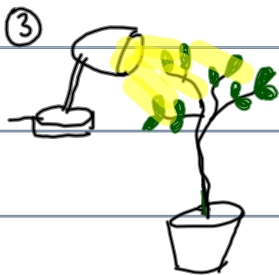
Photosynthesis Experiment

To show that light shining on a leaf makes starch.



① Destarch plants - put in darkness 24 hrs.

② Keep a destarched leaf

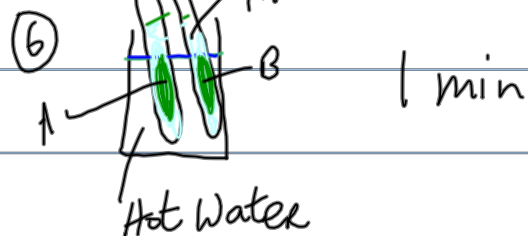


③ Shine light on plant for 30 mins.

④ Take a second leaf



⑤ Boil leaves for 10 mins



⑦ Dip in Hot Water 10 secs

⑧ Starch test - iodine



⇒ A no starch
B has starch