

Name: _____ Class: _____ Date: _____

Activity 1.3 Experiments on photosynthesis

Process skills

Identifying : the variables involved in this experiment

Concluding : the results of the experiment based on the data collected

Aim: To investigate the factors that affect photosynthesis

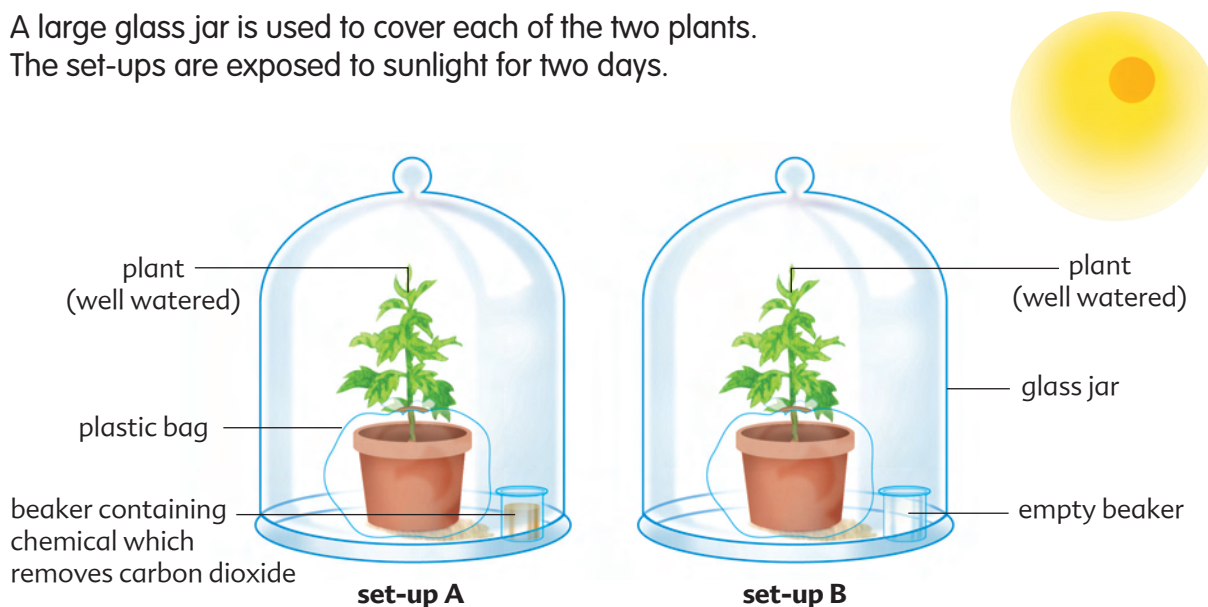
Part A : Carbon dioxide for photosynthesis

Do plants need carbon dioxide to make food?



Set-up A is the experiment set and set-up B is the control set in this experiment. In an experiment, a control set is included to provide a reference set of data which can be compared with data obtained from the experimental set. Without a control set, you cannot be certain that the variable changed is the cause of the observations seen.

A large glass jar is used to cover each of the two plants. The set-ups are exposed to sunlight for two days.



1. Which variable is changed in this experiment?

The presence and absence of carbon dioxide.