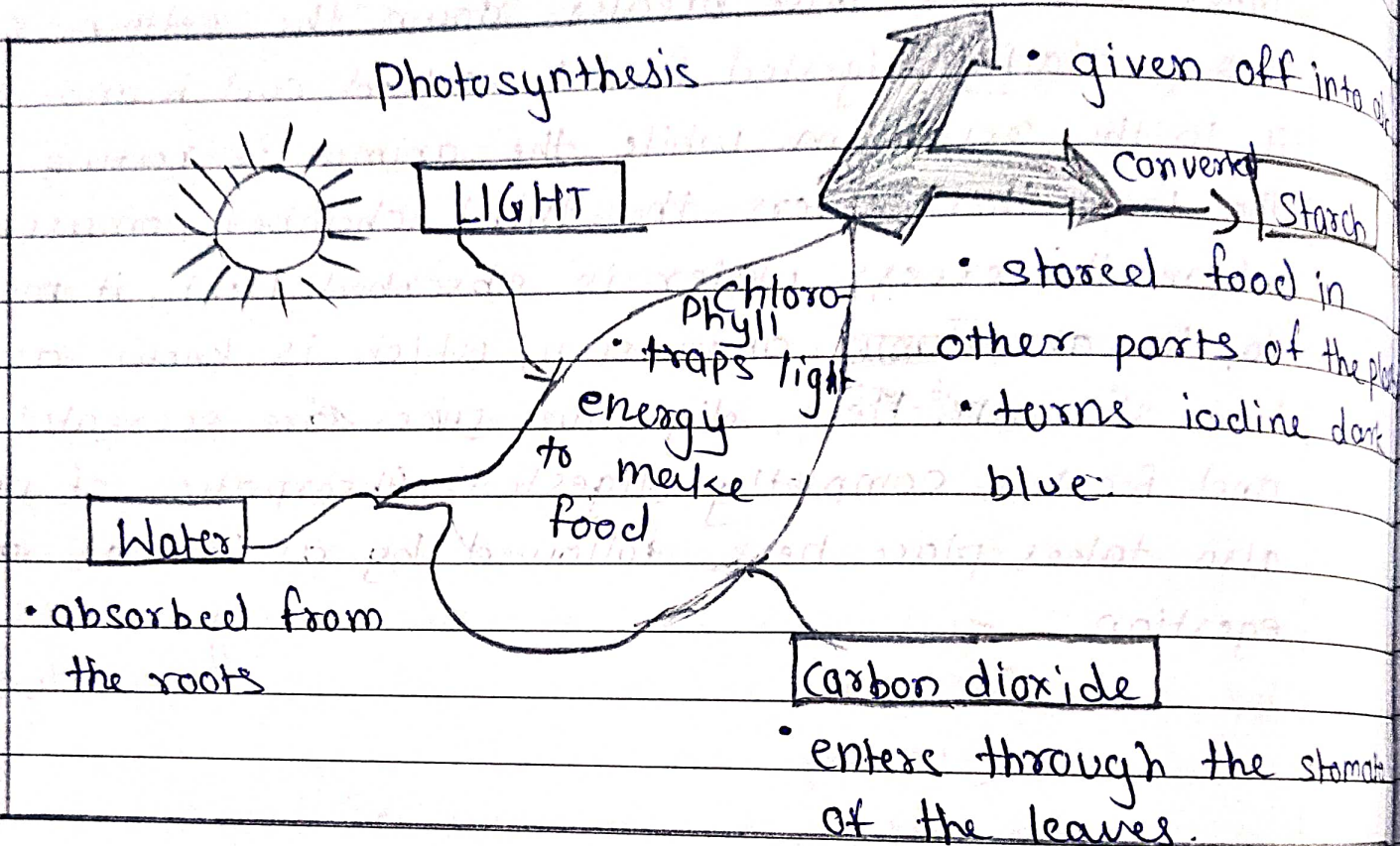
Additional Worksheet - 1

A Look at the picture depicting the process of photosynthesis. Write the correct answer in the boxes.



B Write any one important feature of these plants/organisms

1 Rhizobium – It is a bacterium seen in the root nodules of leguminous plants and show a symbiotic association with the plant.

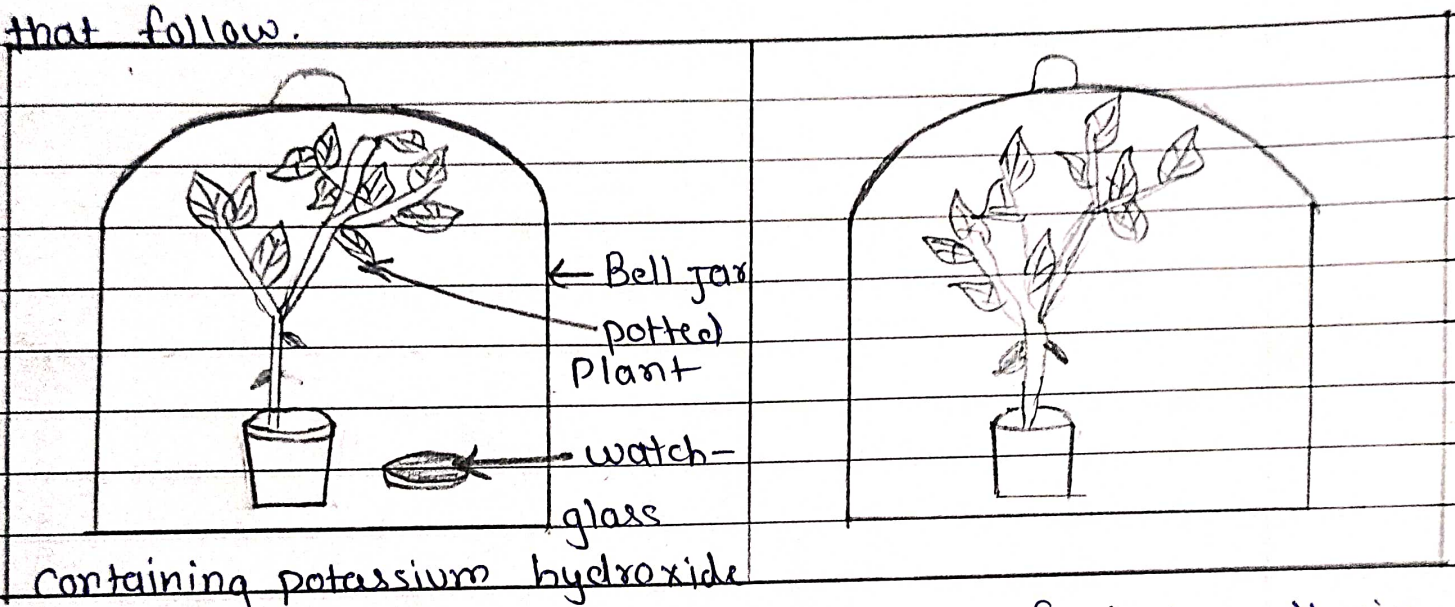
2 ~~Cactus~~ Mistletoe – It is a partial parasite. It can make its own food using chlorophyll but depends on the host plant for water and minerals.

3 Cactus – It grows in the desert. It has thick, fleshy green stems that ~~do~~ prepares food for the plants. The leaves are reduced to spines to reduce transpiration.

Date:

4 Lichen - It is a symbiotic association between algae and fungi. The autorophic algae provide food ~~foo~~ for the saprotrophic fongi, In turn, the fungi provide water, minerals and shelter to the algae.

c Look at the exprimental set-up and answer the question that follow.



1 In which potted plant will the process of photosynthesis continue?

→ potted plant B.

2 In which potted plant will the process of photosynthesis be hampered? why?

→ potted plant A (since there is no carbon dioxide inside the bell jar. The process of photosynthesis is hampered).

3 What is the aim of the exprimant?

→ The aim of the demonstrate that carbon dioxide is necessary for photosynthesis.

4 The bell jars are made up of glass. will the results be the same if they were made of wood?

→ As wood is opaque, the plants would not be able to photosynthesize due to lack of sunlight.

5 The bell jar must be sealed with wax. Why?

→ The bell jar must be scaled with wax to prevent the entry of gases from below.