

9/4/20

SUBJECT - SCIENCE

CLASS - VIII

CHAPTER 1 - NUTRITION

Task: A - Read the chapter.

Task: B - Read & write these Q/A in your fair note-book.

Q6 - What is cell?

Ans - The basic structural unit of all living beings, is called cell.

Q7 - What is stomata?

Ans - The tiny pores in leaves through which exchange of gases (oxygen & carbon dioxide) take place.

Q8 - What is photosynthesis process?

Explain with a colour full diagram.

Ans - The process by which plants prepare their food in the presence of sunlight & chlorophyll is called photosynthesis. It is represented as:

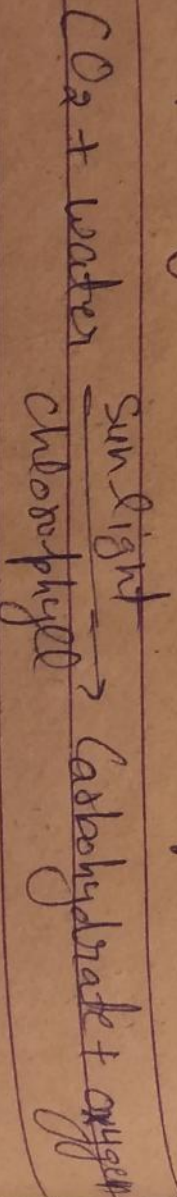


Diagram = Fig 10.3 in book at page no. 3

Besides leaves, photosynthesis also takes place in other green parts of the plant — in green stems and green branches. The desert plants have scale- or spine-like leaves to reduce loss of water by transpiration. These plants have green stems which carry out photosynthesis.

of all organisms is produced during photosynthesis. In the absence of photosynthesis, life would be impossible on the earth.

During photosynthesis, chlorophyll containing cells of leaves (Fig. 1.2), in the presence of sunlight, use carbon dioxide and water to synthesise carbohydrates (Fig. 1.3). The process can be represented in an equation:

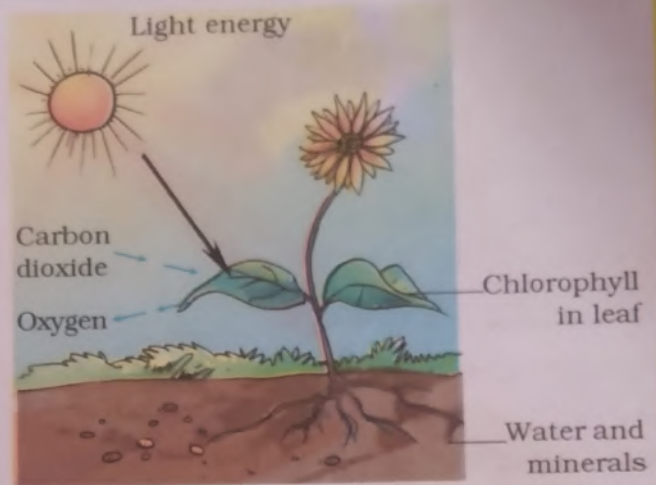
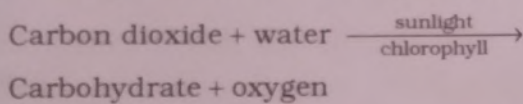


Fig. 1.3 Diagram showing photosynthesis

During the process oxygen is released. The presence of starch in leaves indicates the occurrence of photosynthesis. Starch is also a carbohydrate.

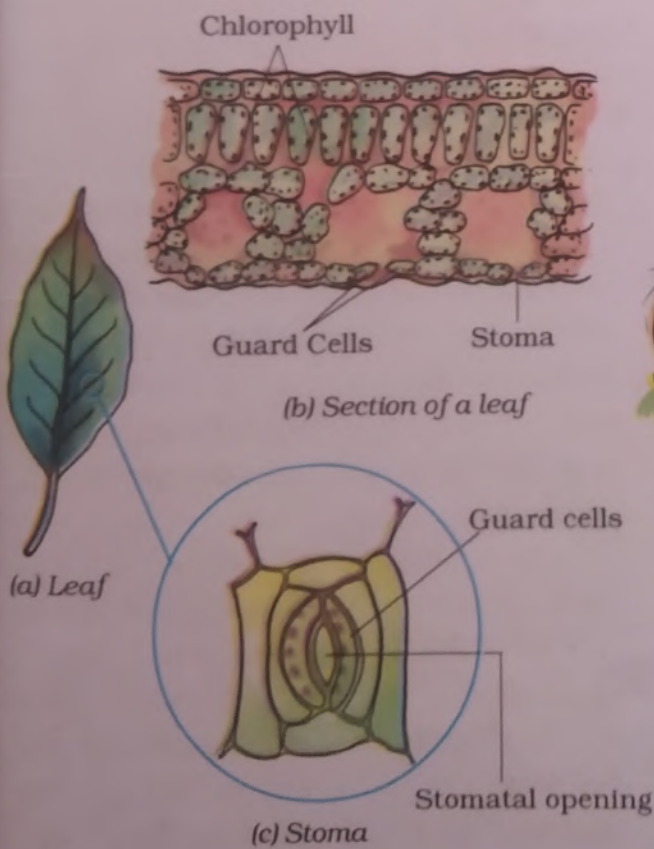
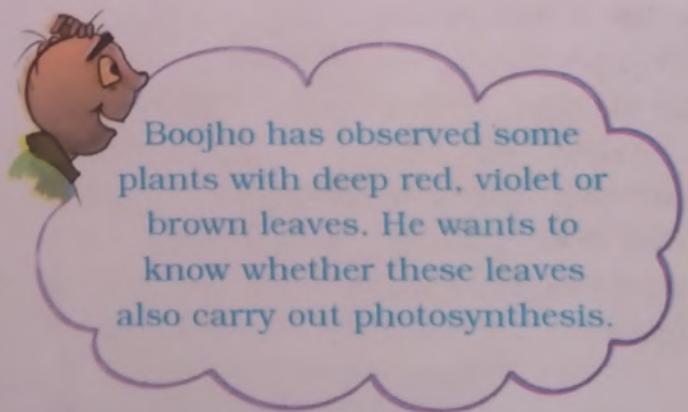


Fig. 1.2



Boojho has observed some plants with deep red, violet or brown leaves. He wants to know whether these leaves also carry out photosynthesis.

Activity 1.1

Take two potted plants of the same kind. Keep one in the dark (or in a black box) for 72 hours and the other in sunlight.