

# WELCOME TO THE ONLINE CLASS

**SESSION NO.: 1**

**CLASS: 4**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 6**

**CHAPTER NAME: PLANTS- PREPARING AND STORING FOOD**

**SUB TOPIC: INTRODUCTION, FOOD FOR PLANTS**

---

**CHANGING YOUR TOMORROW**

---

# LEARNING OBJECTIVE

To enable the learner to:

- see the structure of a typical green leaf
- understand the process of photosynthesis in green leaves

- **How green and beautiful is this tree!  
It is full of green leaves.**
- **Why are leaves green?**
- **Why do most plants and trees have  
green leaves?**



# What makes leaves to look green?

- The presence of a substance called chlorophyll makes a leaf green.

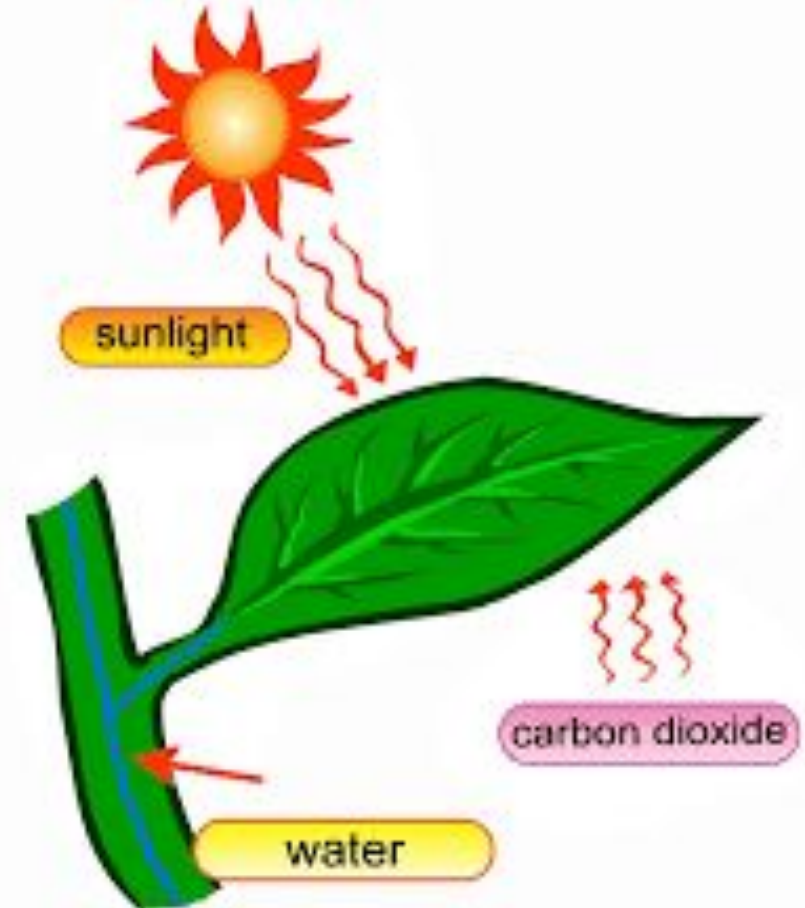
**CHLOROPHYLL:** The green pigment found in almost all types of plants.

- Only green leaves can prepare its food since it contain chlorophyll.



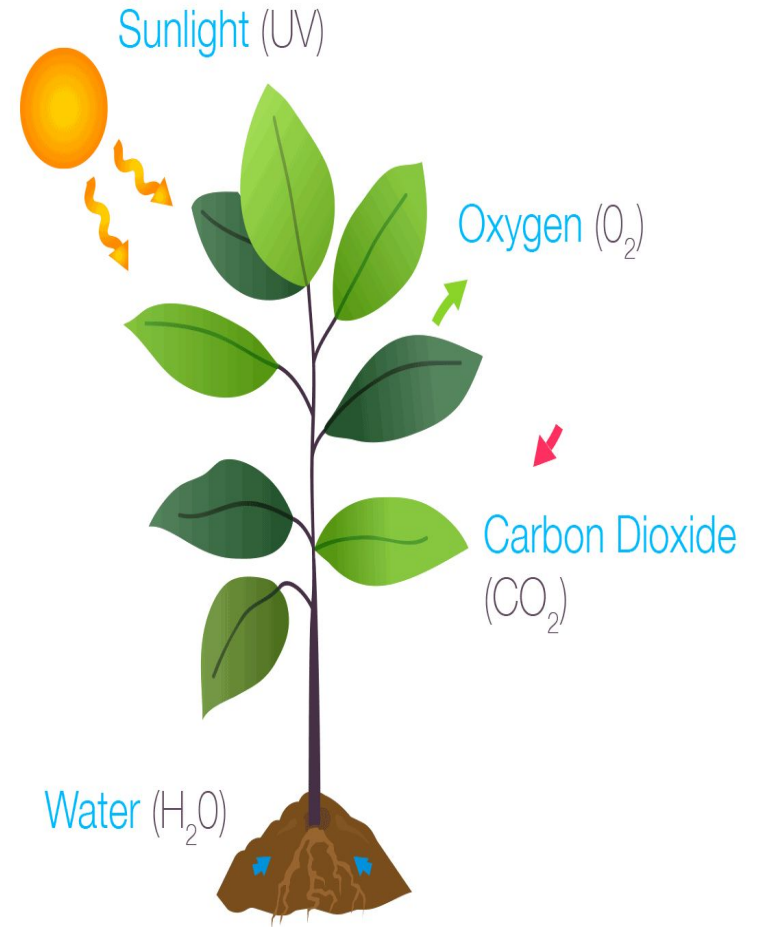
# GREEN LEAVES PREPARE FOOD

- Green leaves need air, water and sunlight to prepare food.
- Sunlight provides energy to these leaves for preparing food.



# FOOD FOR PLANTS

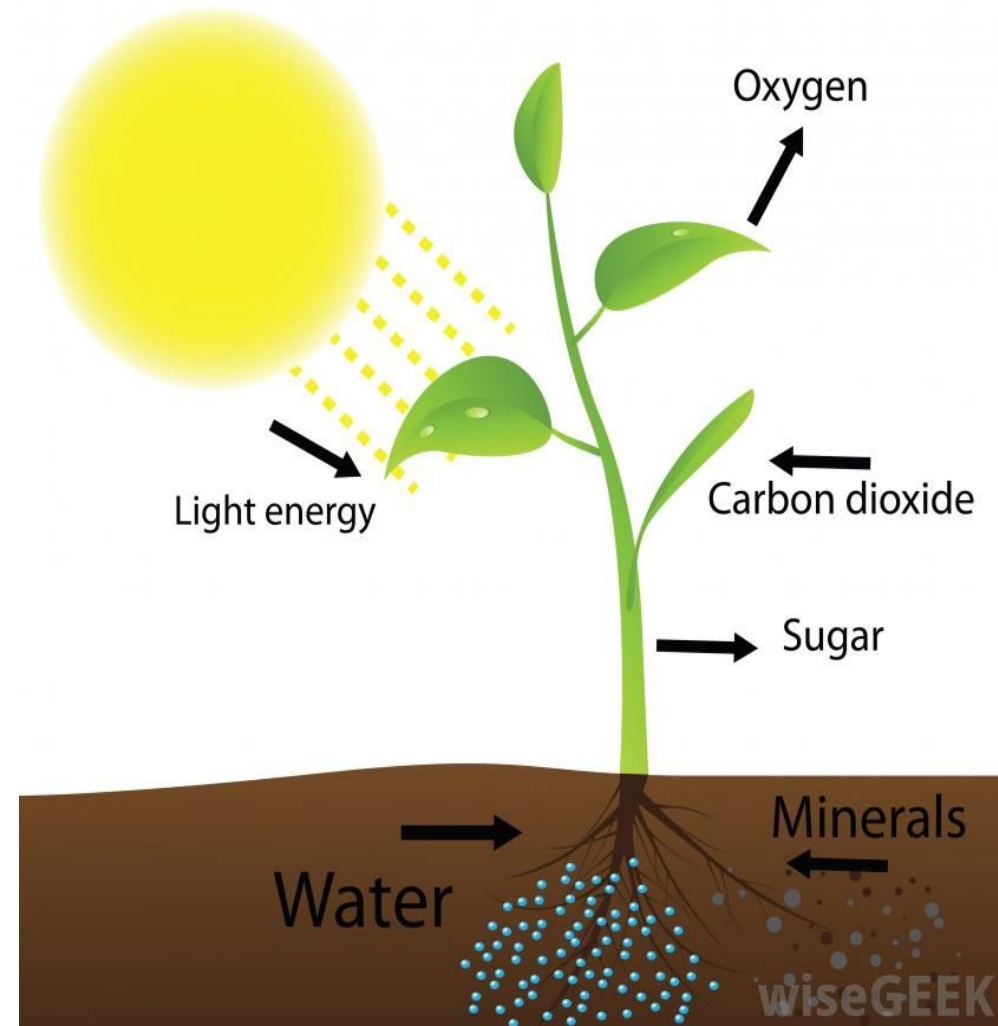
- A plant takes in water from the soil and carbon dioxide from the air.
- In the presence of sunlight, green leaves change air and water into food in the form of starch.



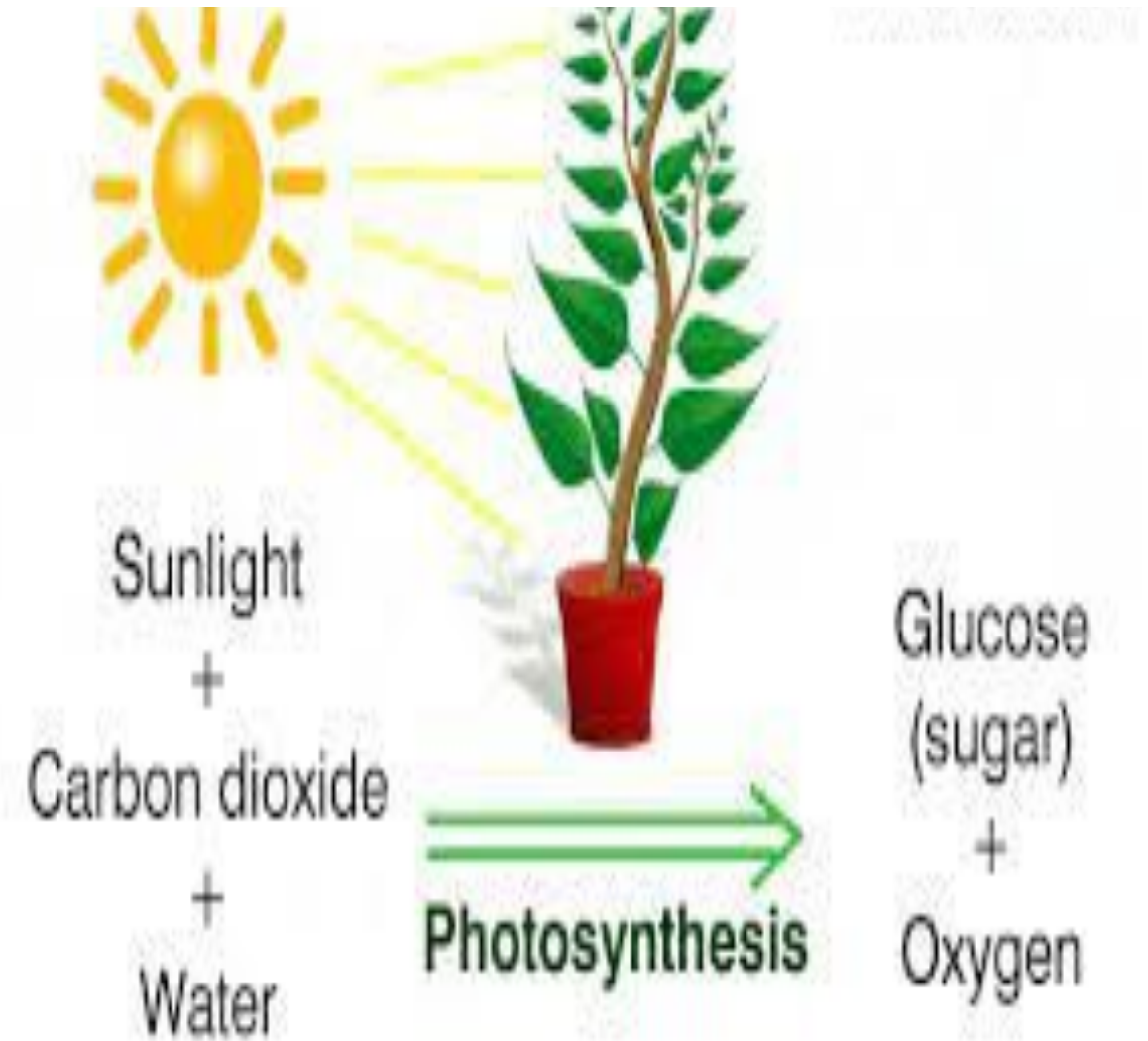
# THE PROCESS OF PHOTOSYNTHESIS

'Photo' means light and 'synthesis' means putting together.

- Since sunlight , water and carbon dioxide together form as food, this process is called *photosynthesis*.



- During photosynthesis, plants take in carbon dioxide and water from the air and soil.
- Plants use the energy of the sun to change water and carbon dioxide into a sugar called **glucose**.





# SUMMARY

- The presence of a substance called chlorophyll makes a leaf green.
- Only green leaves can prepare its food since it contain chlorophyll.
- In the presence of sunlight, green leaves change air and water into food in the form of starch
- Photosynthesis is the process of making the food in plants with the help of carbon dioxide, sunlight and water.



**Q1. Which part of the plant prepares the food?**

**ANS: Leaves**

**Q2.What do green leaves need to prepare the food for plants?**

**ANS: 1. Carbon Dioxide  
2. Water  
3. Sunlight**

**Q3. Name the green substance present in the leaves.**

**Ans: Chlorophyll**

# **HOMework**

- **Write the difficult words in your notebook.**

# LEARNING OUTCOME

The learner will be able to:

- see the structure of a typical green leaf
- understand the process of photosynthesis in green leaves

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**