



**Subject: Science**

**Plants: Making and storing food**

**Date: 31.08.22**

**Checkpoints**

**Fill in the blanks**

1. A leaf has tiny pores called **stomata**.
2. Chlorophyll is **green** in colour.
3. The roots of a plant take in **water** and **minerals** from the soil.
4. Plants make their food by the process of **photosynthesis**.

**A. Tick the correct answer**

1. The kitchen of a plant is it's \_\_\_\_\_.  
a. Flowers    b. Fruits    c. Roots    d. **Leaves**
2. The flat part of a leaf is called the \_\_\_\_\_.  
a. veins    B. midrib    c. **lamina**    d. leaf edge
3. The gas given out by plants during photosynthesis is \_\_\_\_\_.  
a. carbon dioxide    b. **oxygen**    c. hydrogen    d. nitrogen

For. In the presence of sunlight, green leaves change carbon dioxide and water into

A full stop stomach to be. Chlorophyll see. Glucose D. Protein

5. An example of a non green plant is  
a. cactus    b. **mushroom**    c. peepal    d. mango

**B. Fill in the blanks**

1. The line in the middle of her leaf is called **midrib**.
2. **Stomach** in leaves help plants to breathe.
3. During photosynthesis, green leaves take in **carbon dioxide** gas
4. The energy from the sun is passed on to animals and humans through **plants**.

5. Animals breathe in oxygen gas

**C. Write true are false. Correct the false statement**

1. Air enters leaves through the **leaf blade**. **False**

Ans: Air enters leaves through the **stomata**.

2. Leaves have a green substance called **glucose**. **False**

Ans: Leaves have a green substance called **chlorophyll**.

3. Plants take in oxygen and give out carbon dioxide during respiration. **True**

4. The extra food made by plants is always stored in their **fruits**. **False**

Ans: The extra food made by plants stored in **different places** in plants.

5. Animals depend on plants for **carbon dioxide**. **False**

Ans: Animals depends on plants for **oxygen**.

**D. Name the following**

1. The lines on the side of a leaf. **Leaf margin**.

2. The substance that gives a leaf its green colour. **Chlorophyll**.

3. The plant uses this has its food. **Glucose**.

4. Plants without chlorophyll. **Mushroom**

5. Gas that animals breathe out. **Carbon dioxide**

**E. Write short answers**

1. What will you find on the underside of leaf if you put it under a microscope?

Ans: If you put the underside of the leaf under the microscope you can find small pores called stomata.

2. What do green leaves need in order to make food?

Ans: The green leaves need sunlight , water and carbon dioxide to make food.

3. How do stomata help a plant?

Ans: Stomata helps the plant to take in carbon dioxide and give out oxygen from the air during the time of photosynthesis

4. In what form is extra food stored in plants

Ans: The plant stores the extra food which is prepared by it in the form of starch.

5. What do you mean by the term photosynthesis?

Ans: In the term photosynthesis 'photo' means light and 'synthesis' means putting together.

6. How do non green plants get their food

Ans: The non green plants grow on stale food or dead plants and animals and get their food from them.

**F. Answer these questions**

1. How do green plants make their food?

Ans: Leaves have a green substance called chlorophyll that gives them their green colour. Chlorophyll help the leaves to make food for the plants. Roots take in water and minerals from the soil. These are then sent to the leaves through the stem. The stomata take in carbon dioxide from the air. The chlorophyll trap sunlight. Leaves use the energy in sunlight to change water and carbon dioxide into glucose. The plant uses this glucose as its food. The plants also store apart of this glucose in the form of starch.

2. How does a plant use food?

Ans: Plants use their food for various purposes. They use the energy they get from the food to grow and produce flowers, fruits, seeds, roots or leaves. Plants store the extra food prepared by them as starch. Starch is stored in different parts such as fruits, flowers, leaves, roots or stems. Plants use the stored food when they cannot prepare food by photosynthesis.

3. Explain the flow of energy in living things.

Ans: All living beings need energy to live and work. This energy comes from food. Green plants make their own food. Humans and other animals get their food from plants. Green plants trap energy from the sunlight during photosynthesis to make food. This energy is passed on to humans and animals when they eat these plants. This is how energy flows from the sun to plants and then to animals and human.

4. How do plants and animals depend on each other.

Ans: In order to live, animals need food to eat and oxygen to breathe. Plants give food and oxygen to animals. Animals breathe out carbon dioxide. Plants use this carbon dioxide to make their food. Thus plants and animals depend on each other in order to live.

**Complete the think and answer in your own words.**