

VIDYA BHAWAN BALIKA VIDYAPITH

LAKHISARAI, 2021

CLASS : 4TH A AND B

DATE: 22.01.22(sat)

SUB : SCIENCE

SUB TEC: NAINA PASWAN

BASED ON NCERT PATTERNS

REVISION TEST

CH -- 1 , LEAF – THE FOOD FACTORY OF PLANT

PRACTICUM ZONE

3. Think and give one term for the following :

1. Green substance in the leaf. -----
2. Gas needed to make food in green plants . -----
3. Gas released by Green plants during photosynthesis . -
- 4. Food formed as a result of photosynthesis .
- 5. Small pores that help the leaf in exchange of gases . -----

ANSWER'S:

1. Chlorophyll.
2. Carbon dioxide.
3. Oxygen.
4. Glucose .
5. Stomata

4. Answer the following questions :

1. What is photosynthesis ?

Ans : 1. The process of making food by Green Leaves of plant in the presence of Sunlight with the help of carbon dioxide , nutrition, and water is known as photosynthesis .

2. What are the raw materials needed for photosynthesis ?

Ans :2. Carbon dioxide and water.

3. Where do you find Stomata?

Ans :3. Stomata are cell structures in the epidermis of tree leaves and needles that are involved in the exchange of carbon dioxide and water between plants and atmosphere .

4. Why is a green leaf known as the food factory of the plant

Ans : 4 . A plant needs sunlight , carbon dioxide and water to make food . A green substance in plants called chlorophyll trap the energy from the sun needed to make food . chlorophyll is mostly found in the leaves of a plant . The leaf can be thought of a food factory of the plant .

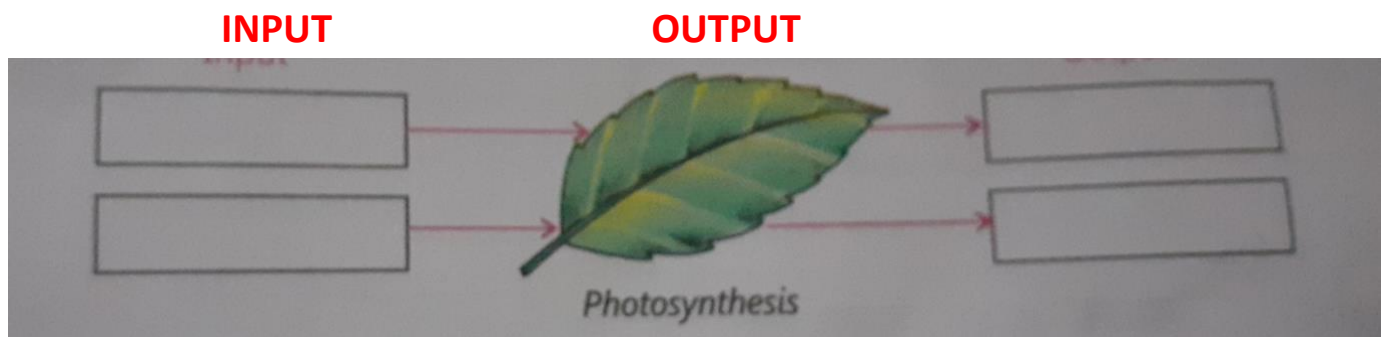
5. What is the importance of chlorophyll in plants ? What is its colour ?

Ans : 5. The role of chlorophyll in photosynthesis is vital. Chlorophyll, which resides in the chloroplast of plants , is the green pigment that is necessary in order for plants to convert carbon dioxide and water using sunlight , into oxygen and glucose

6. How can you prove the presence of starch in a leaf ?

Ans : 6. The presence of starch in leaves can be tested by the iodine test. When we remove chlorophyll from the leaf by boiling it in alcohol and then put two drops of iodine solution, its colour changes to Blue. This indicates the presence of starch.

5. Complete the process by filling the appropriate inputs and outputs in the boxes :



ANSWERS:

INPUT: 1. Water .
2. Carbon dioxide

OUTPUT: 1. Oxygen
2. Glucose

IN H.W. SAME WORK LEARN AND WRITE .