

## The Green Plants

**Answer the following questions.**

1. What is photosynthesis?

Ans – The process by which green plants prepare their own food with the help of carbon dioxide and water in the presence of chlorophyll and sunlight is called photosynthesis.

2. Where do plants store food?

Ans – Plants store food in different parts like –

Leaves – cabbage

Stem – sugarcane

Root – carrot

Flower – cauliflower

Fruit – mango

3. Explain the parts of a leaf.

Ans – **Petiole** : It attaches the leaf to the stem.

**Lamina** : It determines the shape of the leaf.

**Midrib** : It transports water and food to and from the leaf.

**Veins** : It also helps in transportation of food and water.

4. How do you test a leaf for starch?

Ans – **Step1**: Take a leaf from a plant that has been exposed to sunlight for several hours.

Step2: remove chlorophyll by first boiling it in water and then in alcohol.

Step3: Wash it in cold water and pour few drops of iodine solution on it.

Conclusion : The colour of the leaf will change to blue- black . It shows the presence of starch in green leaf.

5. How are animals and plants interdependent?

Ans – Animals and plants depend on each other for survival. Animals need food and oxygen to breathe which is given by plants. In turn plants need carbon dioxide to prepare food which is given by animals.