

3. PLANTS

Class: IV

Subject: Science

I. Choose the correct answer.

- The tip of the leaf is
a. blade b. apex c. midrib d. veins
- Which one of the following is a primary producer?
a. Plant b. Animal c. Human d. None of the above
- Which flower blooms during winter?
a. Jasmine b. Tulip c. December d. Fire cracker
- Choose the ornamental plant from the list.
a. Parthenium b. Mango c. Travellers palm d. Groundnut
- Which plant flower is edible?
a. Cauliflower b. Potato c. Mint d. Cabbage

II. Fill in the blanks.

- During photosynthesis Food is produced and stored in the leaf.
- Green plants have Chlorophyll pigment.
- Onion is a stem part of a Plant.
- The male part of the flower is stamen.
- An example for edible seed is Rice.

III. Answer the following in one or two words.

- Which is the female part of the plant?
Pistil is the female part of the plant.
- Write the name of any one of the leaf that is used as a food.
Coriander, Cabbage.
- Which flower bud is used as spices in food?
Clove
- What are the nutrients present in the seeds?
Carbohydrates and Proteins.
- Write any one of the flower that blooms in summer.
Sun flower, Jasmine, Rose.

IV. Answer briefly.

1. Write the parts of the leaf.

- i) Blade
- ii) Apex
- iii) Mid rib
- iv) Veins
- v) Petiole
- vi) Stomata.

2. Define - Photosynthesis.

Photosynthesis is a process by which plants make their food using chlorophyll water, carbon dioxide in the presence of sunlight.

3. Write the names of the exotic plants.

- ❖ Sago palm (cycas)
- ❖ Fern
- ❖ Crotons
- ❖ Travelers palm
- ❖ Boat lily
- ❖ Aloe vera

4. Write the names of any two underground stem plant.

- ❖ Potato
- ❖ Onion
- ❖ Ginger.

5. Why should we not touch parthenium plant?

The pollen of this plant is allergic in nature. So we should not touch parthenium plant.

V. Answer in detail.

1. Mark any four parts and describe the parts of a leaf.

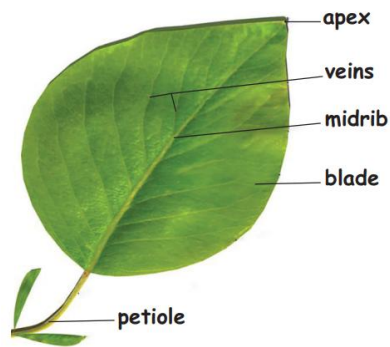
Blade : The broad flat part of the leaf (Lamina).

Apex : The tip of the leaf.

Midrib: The midrib runs along the centre of the leaf.

Veins : Veins are branch out from the midrib. They are the framework of hollow tubes that carry water and minerals.

Petiole : This part joins the leaf to the main stem.



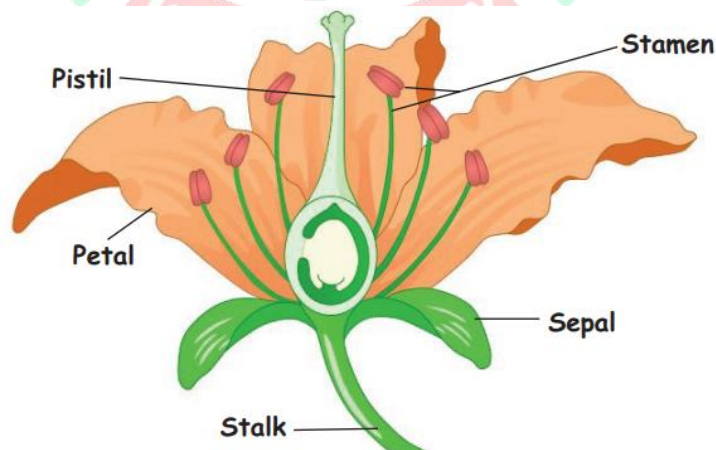
2. Draw a diagram of a flower and explain the parts of a flower.

Sepal : Sepals are leaves that protect the flower while it is still a bud. Sepals are usually green in colour.

Petal : Petals are often bright coloured. Their main job is to attract insects such as bees or butterflies, to the flower. The insects help the flowers in the transfer of pollen grains.

Stamen: Stamen can be seen at the centre of a flower. They contain pollen grains that help the plants to multiply. It is the male part of a flower.

Pistil: Pistil is also seen at the centre of the flower. The pistil uses the pollen to help the flower become the fruit. It is the female part of a flower.



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I. Fill in the blanks by rearranging the letters in the bracket.

1. During photosynthesis plants releases oxygen (egxyno)
2. Plant is a primary producer (tanpl)
3. Stomata are seen in the lower (owler) surface of the leaf.

4. Pigment involved in the foods synthesis is Chlorophyll (phillylochor)

II. List out the flowering and non flowering plants in your surroundings.

Flowering plants	Non Flowering plants
Neem	Algae
Paddy	Fungi
Mango	Fern

III. List out the places where you see the non green plants.

1. Dead Animals
2. Absorb food from other plants
3. Stale food

IV. Fill in the Blanks.

1. Fern is an example for non flowering plants.
2. Plants are classified based on pigment and flower of the plant.
3. Heterotrophs depend on other organism to live and get their food.
4. Autotrophs use atmosphere, light and chlorophyll to prepare their own food.
5. Sepals protect the flower while it is still a bud.
6. Stamen contains pollen grains.
7. Pistil is centre part of a flower.
8. Cauli flower is used as food.
9. Stem part of the potato plant is used as food.
10. Stem of the plant stores food in it.
11. Seeds are rich in Carbohydrate and protein.

V. Have you seen flower? Try to answer the questions given below.

- a) Which is your favourite flower? Jasmine
- b) What is the colour of the flower? White

c) How does it smell? Sweet

VI. Complete the table to show which parts of the plant we eat.

Food items	Parts of the plant eaten
Carrot	root
Banana Flower	flower
Mango	fruit
Cauliflower	flower
Rice	Seed
Dhal	leaves
Moringo	Stem
Turmeric	stem
Onion	stem
Cabbage	leaves
jackfruit	fruit
Beetroot	root

