NCERT Solution

Getting To Know Plants

Exercise

1. Correct the following statements and rewrite them in your notebook.

(a) Stem absorbs water and minerals from the soil.

(b) Leave hold the plant upright.

(c) Roots conduct water to the leaves.

(d) The number of petals and sepals in a flower is always equal.

(e) If the sepals of a flower joined together, its petals are also joined together.

(f) If the sepals of a flower joined together, then the pistil is joined to the petal Answer:

(a) Roots absorb water and minerals from the soil.

(b) Stem holds the plant upright.

(c) Stem conducts water to the leaves.

(d) The number of petals and sepals in a flower may not be always equal.

(e) If the sepals of a flower joined together, its petals are separate and not joined together.

(f) If the sepals of a flower joined together, then the pistil is not necessary joined to the petal

2. Draw (a) a leaf, (b) a taproot and (c) a flower, you have studied for Table 7.3 Answer:

(a) Leaf



Leaf of a rose plant

(b) Taproot



Taproot of a rose plant

(c) Flower:





3. Can you find a plant in your house or in your neighborhood, which has a long but a weak stem? Writ its name. In which category would you classify it? Answer:

Yes, Lauki (gourd) plant, money plant. It needs support. It is climber.

4. What is the function of a stem in a plant?

Answer:

Following are the function of stem in a plants:

- (a) Give support to the plant.
- (b) Conducts water and minerals from roots to leaves.
- (c) Conducts food from leaves other parts of the plant.

5. Which of the following leaves have reticular venation?

Wheat, tulsi, maize, grass, Coriander, China rose.

Answer:

Tulsi, Coriander, China rose.

6. If a plant has fibrous root, what type venation does its leaves likely to have?

Answer: Plants with fibrous roots have parallel venation in their leaves. For example grass, wheat, maize, etc.



Fibrous roots with parallel venation

7. If a plant has leaves with reticulate venation, what kind of roots will it have? Answer:



Plants with reticulate venation in their leaves are likely to have tap roots. For example, a carrot or a rose.



Taproots and reticulate venation

8. Is it possible for you to recognize the leaves without seeing them? How? Answer:

Yes. We can recognize the leaves without seeing them. You can look the for the types of roots of the plant and identify the leaf. If the plants have fibrous roots, then its leaves have parallel venation, and if the plant has tap roots, then its leaves have reticulation venation.

9. Write the name of the parts of a flower.

Answer:

A flower consists of sepals, petals, stamen and pistils. A stamen has two parts called the anther and the filament. A pistil has three parts stigma, style and ovary.



10. Which of the following planets have you seen? Of those you have seen, which ones have flowers?



Grass, Maiza , wheat , Chilli, Tomato, Tulsi, Pipal, Shisham, Banyan, Mango, Jamun, Guava, Pomegranate, Papaya , Banana, Lemon.

Answer:

Flower bearing plants are: tomato, tulsi, mango, jamun, guava, pomegrante, papya, banana, lemon.

11. Name the parts of the plant which produces its food. Name this process.

Answer:

The part of plants which prepares food is the leaf. Leaves of a plant prepare food in the presence of sunlight. The process of making food by utilizing water and carbon dioxide in presence of sunlight is called Photosynthesis.

12. In which part of a flower you likely to find the ovary?

Answer:

Pistil is part of the flower that contains the ovary.



13. Name two flowers, each with joined and separated sepals?

Answer.

Flower with joined sepals: china rose (Hibiscus), Lotus, sadabahar (periwinkle) Flower with separate sepals rose, magnolia

