

## NCERT Solutions for Class 6 Science Chapter 7 Getting to Know Plants

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

- (a) Stem absorbs water and minerals from the soil.
- (b) Leaves hold the plant upright.
- (c) Roots conduct water to the leaves.
- (d) The number of petals and stamens in a flower is always equal.
- (e) If the sepals of a flower are joined together, its petals are also joined together.
- (f) If the petals of a flower are joined together, then the pistil is joined to the petal.

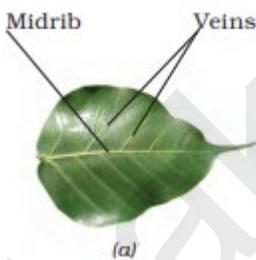
**Solution:**

- a) Roots absorb water and minerals from the soil.
- b) Stem holds the plant upright.
- c) Stems conduct water to the leaves.
- d) The number of petals and stamens in a flower may not be always equal.
- e) If the sepals of a flower are joined together, its petals are separate.
- f) If the petals of a flower are joined together, then the pistil may or may not be joined to the petal.

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

**Solution:**

a)



b)



(a)

c)



**3. Can you find a plant in your house or in your neighborhood, which has a long but weak stem? Write its name. In which category will you place it?**

**Solution:**

Yes, lauki (gourd) plant needs support. It is a climber.

**4. What is the function of a stem?**

**Solution:**

**Following are the functions of a stem**

- Stem holds the plant upright.
- Stems conduct water to the leaves.
- Stems conduct food from leaves to other parts of the plant.

**5. Which of the following leaves have reticulate venation?**

**Wheat, tulsi, maize, grass, coriander (dhania), China rose**

**Solution:**

Tulsi, China rose and coriander have reticulate venation.

**6. If a plant has fibrous root, what type of venation do its leaves have?**

**Solution:**

If a plant has fibrous root, its leaves have **parallel venation**.

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

**Solution:**

If a plant has leaves with reticulate venation, it will have **tap root**.

**8. Is it possible for you to find out whether a plant has taproot or fibrous roots by looking at the impression of its leaf on a sheet of paper?**

**Solution:**

Yes it is possible to find whether a plant has taproot or fibrous roots by looking at the impression of its leaf on a sheet of paper.

**9. What are the parts of a flower?**

**Solution:**

- a) Sepals
- b) Petals
- c) Stamens
- d) Pistil

**10. From the following plants, which of them have flowers?**

**Grass, maize, wheat, chilli, tomato, tulsi, peepal, shisham, banyan, mango, jamun, guava, pomegranate, papaya, banana, lemon, sugarcane, potato, groundnut**

**Solution:**

The plants which have flowers are grass, maize, wheat, chilli, tomato, tulsi, peepal, shisham, banyan (flowers lie inside its fruits), mango, jamun, guava, Pomegranate, papaya, banana, lemon, sugarcane, potato, groundnut

**11. Name the part of plant which produces food. Name the process.**

**Solution:**

Leaves produce food through a process called as Photosynthesis.

**12. In which part of a flower, you will find the ovary?**

**Solution:**

Ovary is found in the lowermost and swollen part of the pistil.

**13. Name two plants in which one has joined sepals and the other has separate sepals.**

**Solution:**

Plants with joined sepals- Datura and cotton

Plants with separate sepals- Rose and Lotus

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