

NCERT solution for Getting to Know Plants

Question 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 sepals 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.

Answer

- (a) Root absorbs 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 is not always equal.
- (e) If the sepals of a flower are joined together, its petals are separate and are not joined together.
- (f) If the petals of a flower are joined together, then the pistil is not necessary joined to the petal.

Question 2

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

Answer

Money plant which has long and weak stem. It is a climber.

Question 3

What is the function of a stem in a plant?

Answer

Following are the functions of a stem in a plant:

1. The stem holds the branches, leaves, flowers and fruits.
2. The stem transports water and minerals from roots to the upper parts.
3. It also transports the prepared food from leaves to other parts.

Question 4

Which of the following leaves have reticulate venation?

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

Answer

Tulsi, Coriander, China rose.

Question 5

If a plant has fibrous root, what type of venation do its leaves likely to have?

Answer

Parallel venation.

Question 6

Is it possible for you to recognize the leaves without seeing them? How?

Answer

Yes. You can identify the type of leaves by looking at its roots. Plants having leaves with reticulate venation have tap roots while plants having leaves with parallel venation have fibrous roots.

Question 7

Write the names of the parts of a flower.

Answer

This material is created by <http://physicscatalyst.com/> and is for your personal and non-commercial use only.

The parts of a flower are sepals, petals, stamens and pistil.

Question 8

Which of the following plants have you seen? of those that you have seen, which one have flowers?

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

Answer

Flower bearing plants	Non Flower bearing plants
Tomato	Grass
Tulsi	maize
Mango	Wheat
Jamun	Chilli
Guava	Pipal
Pomegranate	Shisham
Papaya	Groundnut
banana	sugarcane
lemon	

Question 9

Name the part of the plant which produces its food. Name this process.

Answer

Leaves produce food with the help of process called photosynthesis.

Question 10

In which part of a flower, you are likely to find the ovary?

Answer

Ovary lies in the lowermost and swollen part of the pistil of the flower.

Question 11

This material is created by <http://physicscatalyst.com/> and is for your personal and non-commercial use only.

Name two flowers, each with joined and separated sepals.

Answer

Plants with joined sepals	Hibiscus, Tomato flowers, Datura, Cotton
Plants with separated sepals	Jasmine, Lotus, Lily, Rose

Question 12

What is transpiration?

Answer

Leaves give out water vapors through the process called transpiration.