

Short Answer Questions

Q.1. Boojho wanted to test the presence of starch in leaves. He performed the following steps.

(i) He took a leaf and boiled it in water.

(ii) He placed the leaf in a petri dish and poured some iodine over it.

He did not get the expected result. Which step did he miss? Explain.

[NCERT Exemplar]

Ans. He did not boil the leaf in spirit to remove the chlorophyll.

Q.2. Will a leaf taken from a potted plant kept in a dark room for a few days turn blue-black when tested for starch? Give reasons for your answer.

[NCERT Exemplar]

Ans. No, all the starch stored in the leaf would have been used up by the plant. No starch would be synthesised afresh due to non-availability of sunlight.

Q.3. Can the stem of a plant be compared with a street with two-way traffic?

Give reason.

[NCERT Exemplar]

Ans. Yes, just like two-way traffic, water and minerals and food are moving in opposite directions. Water and minerals move upwards from roots to other parts of the plant and food moves downwards from leaves to other parts.

Q.4. Write three functions of the root.

Ans.

- i. Helps the plant to stand erect.
- ii. Checks soil erosion.
- iii. Stores food.

Q.5. How are plants classified on the basis of their?

(i) life span?

Ans. Perennial and annual.

(ii) form?

Ans. Tree, shrub, herb, climber and creeper.

Q.6. Write three functions of the leaf.

Ans.

- i. Transpiration,

- ii. Photosynthesis,
- iii. Storage of food.

Q.7. Draw a well labelled diagram showing different parts of pistil.

Ans.

