

CHRISTU JYOTHI CONVENT SR. SEC. SCHOOL, BARAUT

CLASS –IV

SUBJECT- GSC

LESSON-6

(BOOKWORK)

1. Tick the correct (✓) answer.

A. A gas that is an end product of photosynthesis is

Ans. (i) Oxygen

B. Exchange of gases in leaves takes place through the

Ans. (iii) Stomata

C. Removing of green colour from the leaves is called

Ans. (i) Bleaching

D. A gas essential for the process of photosynthesis is

Ans. (i) Carbon- dioxide

E. An example of a medicinal plant is

Ans. (iv) All of these.

2. Fill in the blanks.

A. Trees and shrubs have **tap** roots.

B. The **roots** binds the soil particles together.

C. The **shoot** is called the backbone of the plant.

D. The **stem** conducts water and minerals from the roots to all parts of the plants.

E. **Chlorophyll** is the green pigment present in the leaves.

3. Write True or False.

a. Fibrous roots go deep into the soil.

False

- b. Carrot and turnip are roots that are eaten. True
- c. Alcohol is a solution used to test the presence of starch in a leaf. True
- d. No life will be possible on the earth in the absence of green plants. True
- e. Transpiration occurs through the roots. False

4. Answer the following questions briefly.

A. What do green plants require to prepare food?

Ans. Green plants require carbon dioxide from air, water and minerals from soil and energy from sun.

B. What happens to the food made by the plants?

Ans. Food is used for the growth and survival of the plant, extra food is stored as starch in different parts of the plant.

C. Distinguish between tap root and fibrous root.

Ans. Tap root has one long main root and many side roots arising from it. Fibrous root is a cluster of small, nearly same sized roots arise from the end of the stem.

D. What are the functions of stem?

Ans. The stem is the backbone of the plant, support flowers and leaves, conducts water and minerals from the roots to different parts of the plant.

E. Name five useful things that plants give us.

Ans. Useful things that plants give us are spices, fibres, rubber, gum and wood.

F. How do plants help to keep the air fresh and clean?

Ans. They take in carbon dioxide and give out oxygen to keep the air fresh and clean.

G. Define the terms.

(i) Stomata (ii) Bleaching (iii) Transpiration (iv) Photosynthesis

Ans. (i) Stomata:- Tiny pores on the underside of the leaves through which exchange of gases takes place.

(ii) Bleaching:- The process of removing green colour from the leaves.

(iii) Transpiration:- The process by which plants give out extra water in the form of water-vapour through stomata.

(iv) Photosynthesis:- The process by which green plants make their own food.