

HW  
19/7/2021

## Ch - 6

A 1) The main vein of a leaf carries

a) Chlorophyll, b) Oxygen,

c) food.

2) Air enters a plant through the stomata on its  leaves, b) flowers, c) stem

3) Which of the following is a non-green plant?

a) cactus,  b) croton,  c) ~~sunflower~~ mushrooms

4) Removing the green pigment in a leaf is called

a) photosynthesis,  b) bleaching, c) breathing

5) Which programme helps to ~~save~~ save trees?

a) Vanamahotsava, b) Project Tiger, c) operation Flood.

- B
- 1) The presence of a substance called chlorophyll makes a leaf green.
  - 2) The process by which food is prepared in plants is called photosynthesis.
  - 3) stomata are openings on the underside of a leaf.
  - 4) Moulds and ~~oysters~~ mushrooms are non-green plants.
  - 5) Animals need food to eat and oxygen to breathe.

1) What do green leaves need to produce food?

Ans: - Green leaves need water, carbon dioxide and sunlight to prepare food.

2) From where do leaves get energy for preparing food?

Ans: - Sunlight provides energy to ~~leaves~~ leaves for preparing the food.

3) In what form is extra food stored in plants?

Ans: - In the form of starch the extra food is stored in the plant.

4) Name the part of a cactus plant that prepares food for the plant.

Ans: - Stem helps cactus part to prepare its food.

5) Leaves of croton appear dark red. Do these leaves have chlorophyll?

Ans: - Leaves of croton have chlorophyll they appear dark red because of the presence of red substances that hides green chlorophyll.

CW  
26/7/2021

Ch - 6

Balance in Nature

Q 1) How ~~will you~~ would you show that a green leaf has starch in it?

Ans: - When we add iodine to bleached leaf, which is boiled in water then alcohol turns blue - black. This shows that starch is present in a green leaves.

Q 2) Write the functions of the stomata.

Ans: - The main function of stomata is to open ~~and~~ and close the pores in the leaves for an exchange gases.

- It allows the plant to take in

carbon dioxide and give out oxygen for photosynthesis.

Based on the weather conditions, it closes or opens its pores to keep the moisture content developed.

Q3) How do plants use their food?

Ans: - Plants use their food in number of ways:

- It is used to get energy.
- Some of it is used for growth.
- ~~It~~ Extra food is stored in the form of starch in leaves, stems or roots.
- We eat that part of the plant which has food stored in it.

Q 4) How is energy from the sun passed on to other animals?

Ans: - Energy of the sun can be passed to other animals as:

- Green plants trap the sun's energy during photosynthesis to prepare food.

- This energy is passed on to humans and animals when they eat the plants.

- This way energy flows from the sun to the plants and then to animals and human beings.

Q5) How do plants without chlorophyll survive?

Ans:- Plants without chlorophyll can survive because they get their food from dead and decaying plants and animals as they can not prepare their own food.

Q6) - A ~~balance~~ balance between plants and animals is essential. Why?

Ans:- A balance between plants and animals is essential because



- If there is a sudden increase in the number of animals then, plants may not be able to supply enough food and oxygen to all the animals.

- If there is a sudden increase in the number of plants, the carbon dioxide breathed out by animals may not be ~~en~~ enough for the plants.

- Similarly, if there is a sudden decrease in the numbers of either plants or animals it will disturb the balance in nature.