

WELCOME TO THE ONLINE CLASS

SESSION NO.: 6

CLASS: 4

SUBJECT: SCIENCE

CHAPTER NUMBER: 6

CHAPTER NAME: PLANTS- PREPARING AND STORING FOOD

SUB TOPIC: BALANCE IN NATURE

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- **the importance of of programmes like Vanamahotsava**
- **the balance in the nature**

RECAPITULATION

- **How does the flow of energy starts in living organism?**
- **How do green plants get energy while preparing their food?**
- **In what way the energy is passed from the plants to the other animals?**
- **Fish live longer in an aquarium with water plants in it, than in one without them. Why?**

BALANCE IN NATURE

- A balance needs to be maintained between the living organisms because it ensures survival, existence and stability of the environment.



IMPORTANCE OF BALANCE IN NATURE

- **If sudden increase in number of animals then plants may not be able to supply enough food and oxygen to all the animals.**
- **Or, if there is a sudden increase in the number of plants, the carbon dioxide breathed out by animals may not be 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.**

TO MAINTAIN THE BALANCE IN NATURE WE HAVE TO PROTECT BOTH PLANTS AND ANIMALS LIFE

- **Under wildlife protection programmes, wild animals are given special protection in forest reserves and sanctuaries.**



- Programmes like *Vanamahotsava* help promote the planting of trees.
- People are made aware of the harmful effects caused by the continuous cutting down of trees.
- If life on earth has to go on, a balance in nature must be maintained.



SUMMARY

- **The flow of energy from sun to plants and then to animals and humans helps them both to survive.**
- **To maintain balance in nature, we have to protect both plant and animal life.**
- **A balance between plant and animal life is needed for life on earth to go on.**

ANSWER THESE QUESTIONS

Q1. How 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 leaf into blue-black. This shows that starch is present in a green leaves.

Q2. Write the functions of the stomata.

Ans: The main function of stomata

- To open and close the pores in the leaves for exchange of gases.
- 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:

- The food prepared by plants is in the form of simple sugar.
- It is used to get energy.
- Some of it is used for growth.
- Extra food is stored in the form of starch in leaves, stem or roots.



Q1. Animal need food to eat and _____ to breathe.

Ans: Oxygen

Q2. Under which programmes animals are given special protection?

Ans: Wildlife protection programmes

Q3. Which programme help to promote the planting of trees.

Ans: Vanamahotsava

HOMework

- **Draw a picture to show a balance in nature.**

LEARNING OUTCOME

The learner will be able to:

- **the importance of of programmes like Vanamahotsava**
- **the balance in the nature**

THANKING YOU
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