

WELCOME TO THE ONLINE CLASS

SESSION NO.: 4

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 1

CHAPTER NAME: PLANTS: INCREASING THE NUMBER

SUB TOPIC: NEW PLANTS FROM OTHER PARTS OF THE PLANTS

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to know the vegetative parts of the plant that help in reproduction .

WARM UP

- Why do we need plants?
- Why do we need to grow more plants?
- Do you have a garden at home?
- How do you grow new plants?
- Do all plants grow only from seeds?

NEW PLANTS FROM OTHER PARTS OF PLANTS

- The process in which living things make more of their own kind is called **reproduction**.
- Most of the plants around us grows from seeds.
- New plants can also be grown from certain other parts such as:
 - Roots
 - Stem
 - Leaves



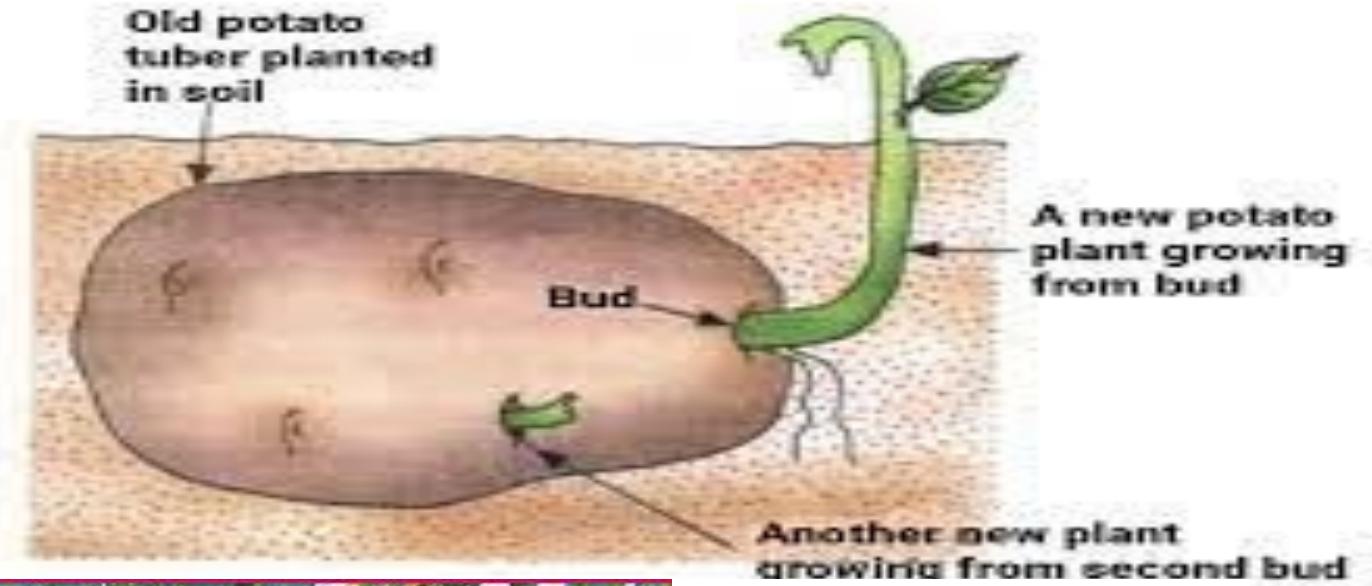
NEW PLANTS FROM OTHER PARTS OF PLANTS

- Fern and mosses reproduce from tiny seed-like structures called spores.



REPRODUCTION FROM STEM

- Some plants reproduce from their stem.
- Examples: potato, onion, ginger, etc.
- Potato has several small buds on it.
- The eyes are called as buds.
- New plants grow from these buds.



REPRODUCTION FROM ROOTS

- The roots of some plants produce new plants from their roots
- Example: Sweet potato and carrot.



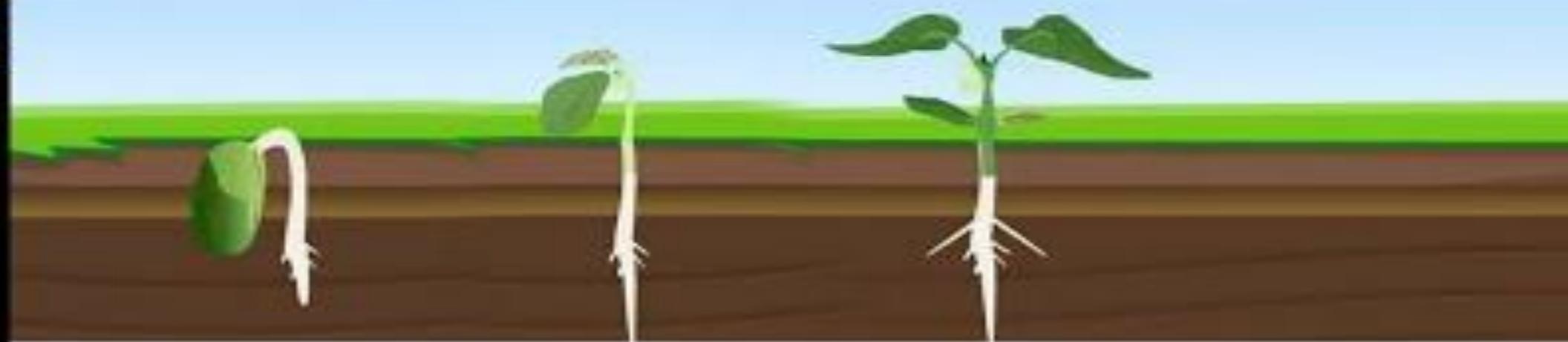
REPRODUCTION FROM LEAVES

- Some leaves have buds along the edges
- Example: Bryophyllum
- New plants grow from these buds.
- When the leaves drop down to the ground, the buds grow into adult plants.



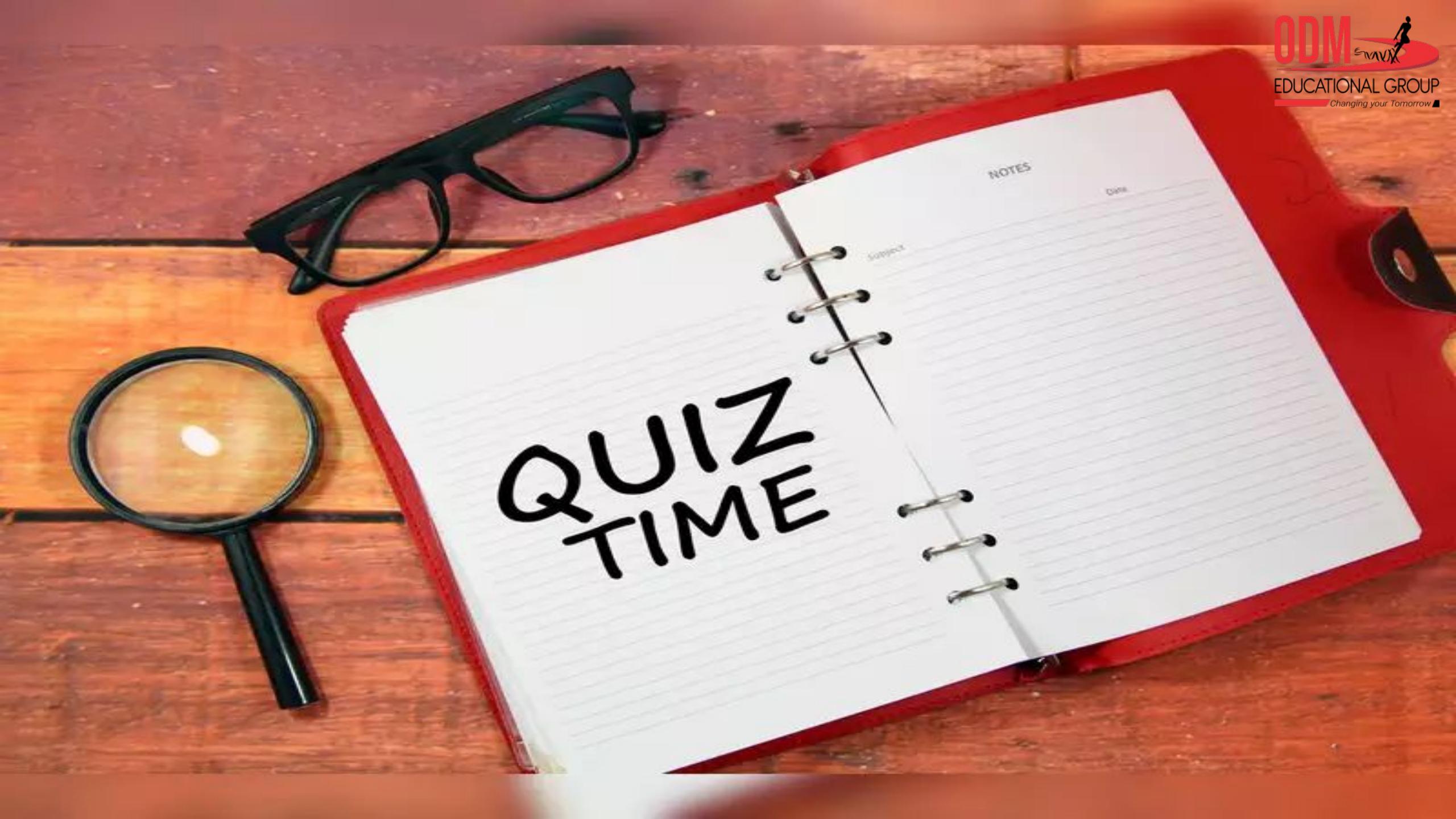
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Reproduction in Plants



SUMMARY

- The process in which living things make more of their own kind is called **reproduction**.
- New plants can also be grown from certain other parts such as:
 - Roots
 - Stem
 - Leaves
- Fern and mosses reproduce from tiny seed-like structures called **spores**.
- Potato, onion, ginger, etc. reproduce from their stem.
- Sweet potato and carrot reproduce from root.
- Bryophyllum grow from buds in the leaves.



QUIZ
TIME

1. The process in which living things make more of their own kind.

ANS: Reproduction

2. Fern and mosses reproduce from tiny seed-like structures.

ANS: Spores

3. Identify the odd one from following:

- a. Potato**
- b. Ginger**
- c. Sweet potato**
- d. Onion**

ANS:c. Sweet potato

4. Name a plant that can grow from the leaves.

ANS: Bryophyllum

5. Roses can be grown by:

- a. Stem cutting**
- b. Root cutting**
- c. Leaf cutting**
- d. Eye**

ANS: a. Stem Cutting

E. WRITE SHORT ANSWERS.

1. Name the outer covering of a seed.

Ans: Outer covering of a seed is called the seed coat.

1. What is monocot seed?

Ans: A seed that has only one cotyledon after germination is called a monocot seed.

1. What is germination?

Ans: The process of development of a seed into seedling is called germination

1. What is meant by dispersal of seeds?

Ans: Scattering of seeds away from the parent plants to another place is called seed dispersal.

HOMEWORK

- Draw the pictures of new plants growing from other parts of plants.

Activity-1

- Grow your own plant from potato, onion, ginger, carrot, radish, bryophyllum
- Write the short question in your notebook.

LEARNING OUTCOME

The learner will be able to know the vegetative parts of the plant that help in reproduction .

**THANKING YOU
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