

WELCOME TO THE ONLINE CLASS

SESSION NO.: 1

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 6

CHAPTER NAME: SOIL EROSION AND CONSERVATION

SUB TOPIC: INTRODUCTION AND SOIL EROSION

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- **Know about the formation of soil.**
- **understand the meaning of soil erosion.**
- **identify the factors that cause soil erosion.**

LET'S RECAP

- **Where do we live?**
- **Have you ever been to a park?**
- **What is upper part of the park covered with?**

SOIL

- The uppermost layer of the earth is called soil.
- Below the soil there are rocks.



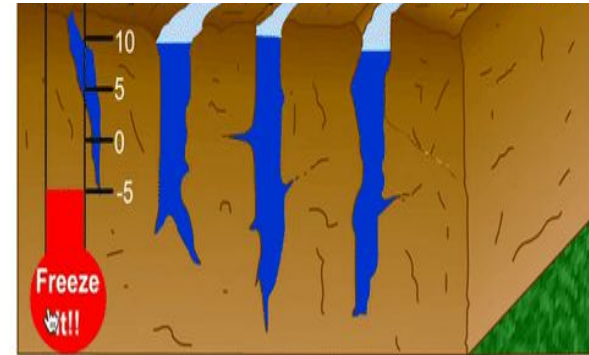
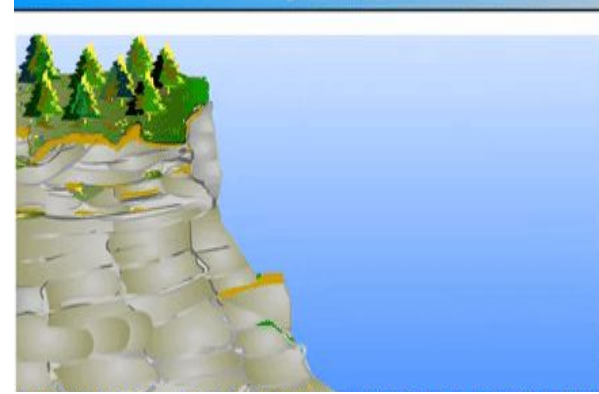
IMPORTANCE OF SOIL

- Soil is the home to many animals and plants.
- Soil supports plants which provide food to all living things on this planet.



FORMATION OF SOIL

- Soil is formed from the rocks that make our earth.
- The sun heated the rocks.
- The rain made them cold and the wind blew over them. This continued for thousands of years.
- As a result the rocks are broken into smaller and smaller pieces.
- They were carried around by wind and water and rubbed against each other to become tiny particles which took millions of years.
- The process of breaking down of rocks into smaller and smaller pieces by the action of wind and running water is known as weathering of rocks.



AGENTS OF SOIL FORMATION

- **Heat of the Sun**
- **Running water**
- **Moving air or wind**



SOIL EROSION

- The process of removal of top layer of soil by the action of wind or running water is called soil erosion.
- Wind and running water are the agents of soil erosion.



FACTORS THAT CAUSE SOIL EROSION

- Running water
- Moving air or wind
- Human activities like cutting down of trees, overgrazing, etc.



SUMMARY

- The uppermost layer of the earth is called soil.
- Soil is the home to many animals and plants.
- Soil supports plants which provide food to all living things on this planet.
- The process of breaking down of rocks into smaller and smaller pieces by the action of wind and running water is known as weathering of rocks.
- The process of removal of top layer of soil by the action of wind or running water is called soil erosion.
- Wind, running water and human activities are the agents of soil erosion.

READY FOR A
QUIZ ?

1. The uppermost layer of the earth.

Ans: Soil

2. What is weathering?

Ans: The process of breaking down of rocks into smaller pieces is called weathering.

3. Name the agents of soil formation.

Ans: Running water and moving air(wind)

4. State the importance of soil.

Ans: Soil is the home to many animals and plants.

- **Soil supports plants which provide food to all living things on this planet.**

5. Define soil erosion.

Ans: The process of removal of top layer of soil by the action of wind or running water is called soil erosion.

HOMEWORK

- **Write the difficult words in your notebook.**

LEARNING OUTCOME

The learner will be able to:

- **Know about the formation of soil.**
- **understand the meaning of soil erosion.**
- **identify the factors that cause soil erosion.**

THANKING YOU
ODM EDUCATIONAL GROUP