

# **WELCOME TO THE ONLINE CLASS**

**SESSION NO.: 12**

**CLASS: 5**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 6**

**CHAPTER NAME: SOIL EROSION AND CONSERVATION**

**SUB TOPIC: INTRODUCTION AND SOIL EROSION**

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**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

# WARM UP

- **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.



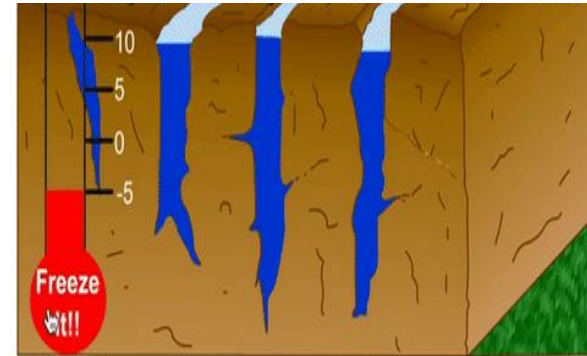
# IMPORTANCE OF SOIL

- 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.**

# **HOMWORK**

- **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**