

# **WELCOME TO THE ONLINE CLASS**

**SESSION NO.: 14**

**CLASS: 5**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 6**

**CHAPTER NAME: SOIL EROSION AND CONSERVATION**

**SUB TOPIC: SOIL CONSERVATION, WAYS OF SOIL**

**CONSERVATION: ON FLAT, OPEN GROUNDS, ON HILL SLOPES,  
ON FIELD NEAR RIVERS**

---

**CHANGING YOUR TOMORROW**

# LEARNING OBJECTIVE

To enable the learner to:

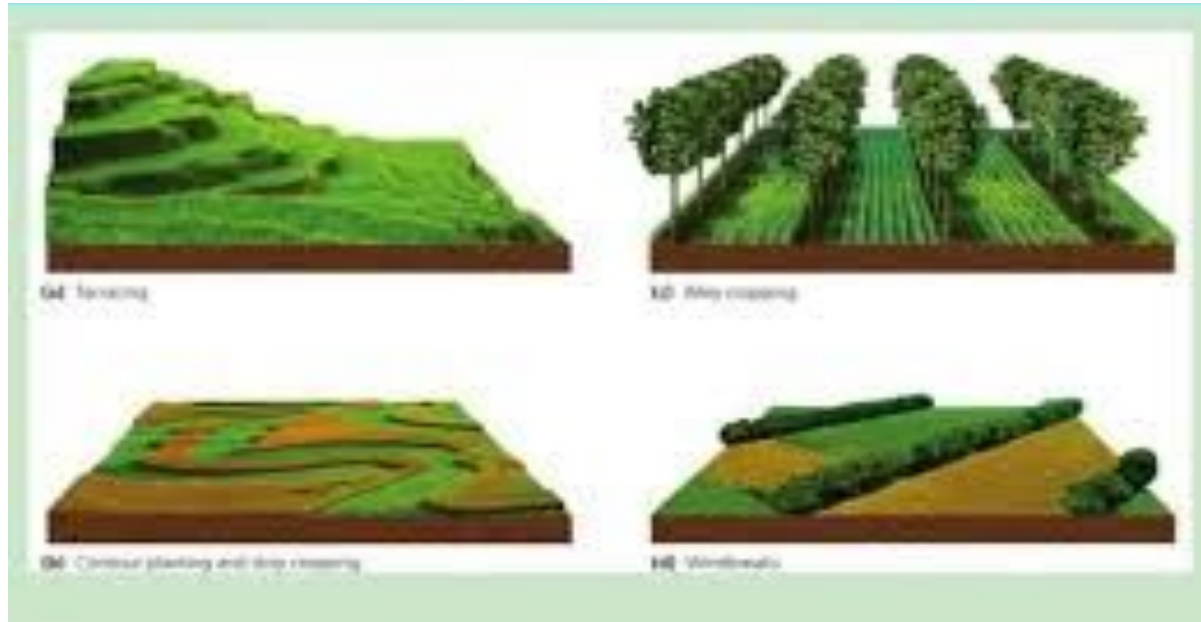
- Understand the importance of soil conservation
- Take steps to prevent soil erosion

# WARM UP

- Cutting down of trees in large number is called \_\_\_\_\_.
- \_\_\_\_\_ of trees and plants hold the soil together.
- Ploughing of hill slopes leads to \_\_\_\_\_.
- Why is Hwang Ho known as ‘Sorrow of China’?
- How strong wind affects farmers?

# SOIL CONSERVATION

- The protection of soil against erosion is known as soil conservation.



# WAYS OF SOIL CONSERVATION

- **Afforestation:** Planting trees is known as afforestation. It is very effective in preventing soil erosion.



# WAYS OF SOIL CONSERVATION

- Grass grown on slopes prevents soil erosion caused by water flowing down the slopes.



# WAYS OF SOIL CONSERVATION

- **Crop Cover:** The soil can be easily eroded by wind and water. To prevent this, farmers either grow grass or cover the land with dried vegetation.



# WAYS OF SOIL CONSERVATION

- **Shelterbelts:** Growing fences or trees along the edge of farmland as wind breakers, reduce soil erosion by reducing the speed of wind.





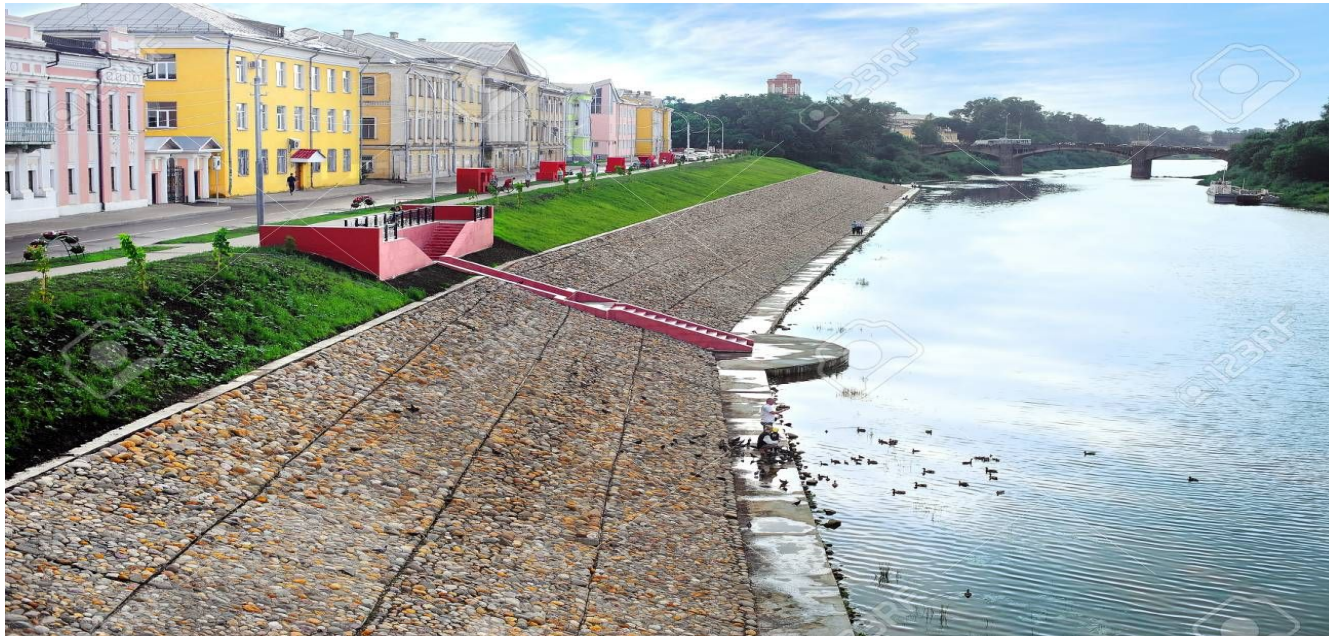
# WAYS OF SOIL CONSERVATION

- **Terrace Farming:** Along the slopes of the hills, farming is done by cutting steps in the slopes. This reduces the speed of water as it flows down, thus reducing soil erosion.



# WAYS OF SOIL CONSERVATION

- **Building Embankments:** Rivers constantly erode the soil on their banks. Strong embankments of rocks and soil built along the banks prevent this.



# SUMMARY

- **The protection of soil against erosion is known as soil conservation.**
- **Afforestation, crop cover, shelterbelts, terrace farming, building embankments are the various ways for soil conservation.**

# HOMework

- **Ramu, the gardener is trying to pull out weeds. However, he has to apply great force. Why do you think he has to apply so much force?**

## E. Answer these questions.

### 6. List three ways by which soil can be conserved.

Ans: Ways by which soil can be conserved:

**Afforestation**: Planting trees is known as afforestation. It is very effective in preventing soil erosion.

**Soil Cover**: The soil can be easily eroded by wind and water. To prevent this, farmers either grow grass or cover the land with dried vegetation.

**Shelterbelts**: Growing fences or trees along the edge of farmland as wind breakers, reduce soil erosion by reducing the speed of wind.

**Terrace Farming**: Along the slopes of the hills, farming is done by cutting steps in the slopes. This reduces the speed of water as it flows down, thus reducing soil erosion.

**Building Embankments**: Rivers constantly erode the soil on their banks. Strong embankments of rocks and soil built along the banks prevent this.

READY FOR A  
QUIZ ?

**1. Crops grown on bare fields to protect it against erosion.**

**Ans: Cover crops**

## 2. Define afforestation.

**Ans: Planting more and more saplings**



### **3. What are the 3Rs?**

**Ans: Reduce, Reuse and Recycle**

## 4. The protection of soil against erosion.

**Ans: Soil conservation**

# LEARNING OUTCOME

**The learner will be able to:**

- **Understand the importance of soil conservation**
- **Take steps to prevent soil erosion**

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**