



DR. R. N. INTERNATIONAL SCHOOL

UNDER THE AGIS OF S. S. SITARAMSINGH EDUCATIONAL AND CHARITABLE TRUST
MOHANPUR, SITAMARHI- 843302

6. More on Soil

Word Meanings

1. Soil - मिट्टी
2. Plants - पौधे
3. Water - जल / पानी
4. Sunlight - धूप / सूर्य का प्रकाश
5. Layers - परतें
6. Organic - जैविक
7. Bedrock - आधारशैल
8. Topsoil - ऊपरी मिट्टी
9. Subsoil - अवमृदा / उपसतह की मिट्टी
10. Minerals - खनिज
11. Nutrients - पोषक तत्व
12. Animals - जानवर
13. Sandy - बलुई / रेतीली
14. Clayey - चिकनी
15. Loamy - दोमट
16. Particles - कण
17. Gritty - किरकिरा
18. Sticky - चिपचिपा
19. Silt - गाद
20. Erosion - कटाव / अपरदन
21. Wind - हवा / पवन
22. Deforestation - वनों की कटाई

- 23. Overgrazing - अत्यधिक चराई
- 24. Conservation - संरक्षण
- 25. Terracing - सीढ़ीदार खेत बनाना
- 26. Crops - फसलें
- 27. Dams - बांध
- 28. Earthworms - केंचुए
- 29. Rocks - चट्टानें
- 30. Rivers - नदियां

Solutions to Exercises

A. Tick (✓) the correct option.

- 1. Which type of soil is best for growing plants?
c) Loamy soil
- 2. What is soil erosion?
b) The process of soil being worn away
- 3. Which of the following is a method of soil conservation?
c) Terracing
- 4. What causes soil erosion by wind?
a) Strong winds blowing soil away
- 5. What is the role of earthworms in the soil?
b) They break down organic matter and aerate the soil.

B. Fill in the blanks.

- 1. Soil is made up of minerals, organic matter, air and **water**.
- 2. **Sandy** soil feels gritty and drains water quickly.
- 3. Heavy rain and fast-moving rivers can cause soil **erosion**.
- 4. Planting trees helps prevent soil **erosion**.

5. **Soil conservation** is the process of protecting and preserving natural resources.

C. Write T for True statements and F for False statements.

1. Clayey soil has very small particles and feels sticky when wet. **T**
2. Soil erosion is beneficial for growing plants. **F**
3. Terracing helps reduce soil erosion. **T**
4. Earthworms harm the soil by eating all the nutrients. **F**
5. Cover crops help protect soil from wind and rain. **T**

D. Answer the following questions.

1. **What are the main components of soil?**

Soil is made up of minerals, organic matter, and water. Soil also contains trapped air.

2. **How does planting trees help in soil conservation?**

Trees and plants hold the soil in place with their roots. This prevents soil erosion.

3. **What are the causes of soil erosion?**

The causes of soil erosion include water washing away soil through heavy rain and fast-moving rivers. Strong winds also blow soil away, particularly in dry areas. Additionally, human activities such as deforestation, overgrazing by animals, and construction cause erosion by removing the protective cover of plants.

4. **Describe loamy soil and its benefits for plants.**

Loamy soil is a mixture of sand, silt, and clay. It is beneficial and considered the best soil for growing plants because it successfully holds both nutrients and water, while simultaneously allowing air to circulate.

5. **What is terracing and how does it help prevent soil erosion?**

Terracing involves creating steps on slopes. This method helps reduce soil erosion because it slows down the flow of water