

SESSION :4

CLASS :4

SUBJECT : SOCIAL SCIENCE

CHAPTER NUMBER: 10

CHAPTER NAME : SOILS OF INDIA

SUBTOPIC : SHORT Q/A AND LONG Q/A

CHANGING YOUR TOMORROW

A. Fill in the blanks.

1. Soil is an important _____ resource.

Ans. natural

2. The _____ soil of the Northern Plains is very fertile.

Ans. Alluvial

3. Cotton grows best in _____ soil.

Ans. Black

4. Desert soil contains mainly _____ and is not fertile.

Ans. sand

B. Write T for true and F for false sentences.

1. Soil is made by breaking up of rocks.

Ans. True

2. Black soil is more fertile than red soil.

Ans. True

3. Mountain soil is very fertile.

Ans. True

4. Soil erosion can be controlled by planting trees.

Ans. True

C. Match the columns.

1. Desert soil

2. Laterite soil

3. Black soil

4. Red soil

5. Alluvial soil

a. Rice

b. Cotton

c. Rajasthan

d. Coffee

e. Jowar, bajra

Answer the following questions.

1. Why is soil considered to be an important natural resource?

Ans. We depend on the soil for many things:

- The plants grow in soil.
- Animals depend on the plants for their food.
- In villages, many people use mud to make the walls of their houses.
- We make cloth from plants like cotton and jute.
- Most people in India depend on agriculture for their livelihood.

2. How is soil made?

Ans.

- Rocks on the Earth are broken down into small pebbles by rain, flowing water and the roots of plants.
- These pebbles break down further to form tiny bits of soil.

3. Why is alluvial soil found in plains around rivers?

Ans.

- The Northern Plains bring with them large quantities of silt or alluvium.
- This gets deposited on the land around the rivers.
- This soil is very fertile, and is called alluvial soil.

4. How does the presence of humus affect soil?

Ans.

- Humus is the remains of dead plants and animals.
- The minerals present in the humus make the soil very fertile.

5. What makes desert soil infertile?

Ans.

- **Desert soil contains sand whose particles cannot hold much water and makes the soil infertile.**
- **Therefore, many types of plants cannot grow here.**

6. How is black soil formed? In which parts of India do we find it?

Ans.

- **Black soil is formed from the lava that comes out of volcanoes.**
- **Parts of Maharashtra, parts of Telangana, Gujarat, Karnataka and Rajasthan has the black soil.**

Q7. What is soil erosion? How does it harm us? How can it be prevented?

Ans. When the fertile top layer of the soil is carried away by the wind and water to a different place is called soil erosion.

It makes the land infertile.

Soil erosion can be prevented by:

i.planting trees or afforestation.

ii.Covering bare farmlands with grass or dry vegetation.

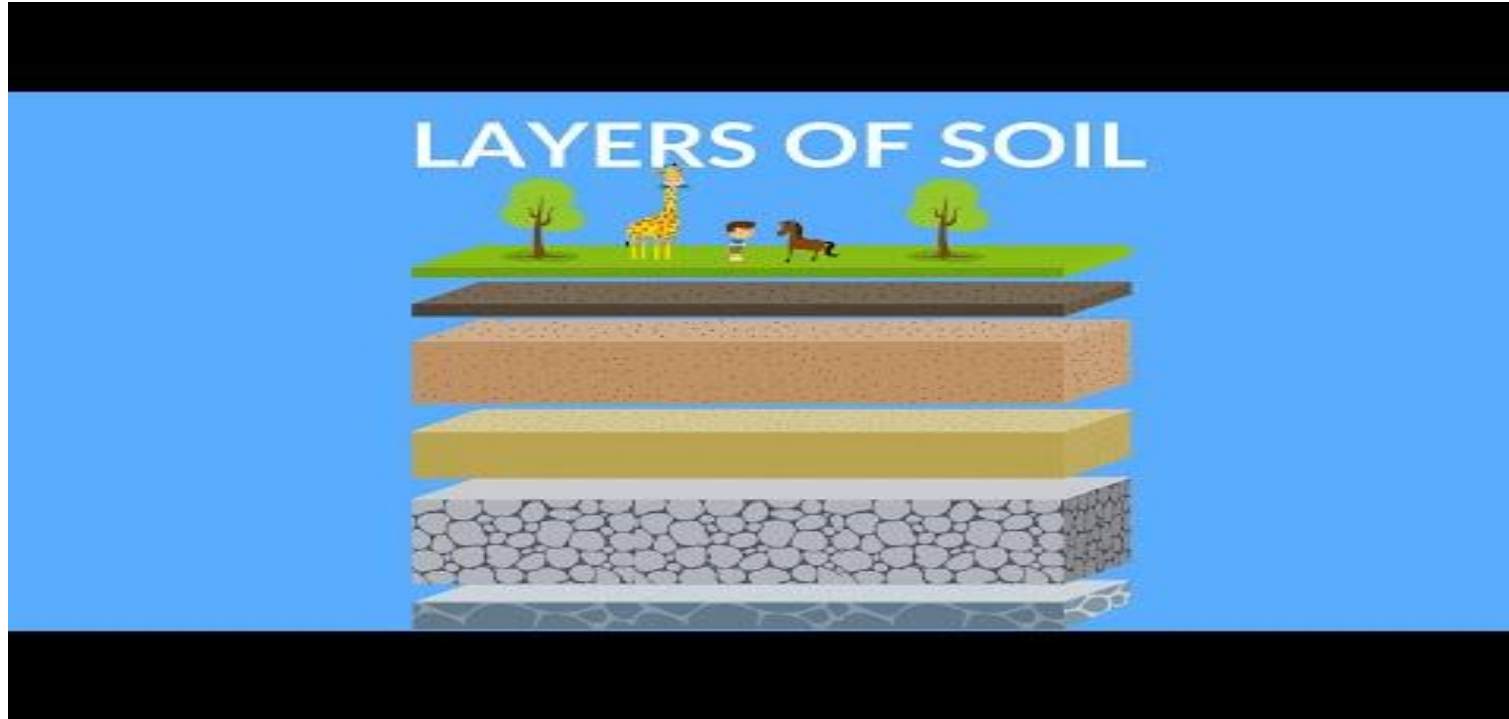
iii.Terrace farming

iv.Building embankments along river banks.

HOMework

- 1. Draw the diagram of layers of soil in the project record.**
- 2. Make an Earthworm and write how does it helps the soil in the project record.**

Layers of soil video



How Earthworms helps the soil



LEARNING OUTCOME

The learners will be able to know

- **Different types of soil.**
- **Soil erosion**
- **How to conserve soil.**
- **Different layers of soil**
- **Short Q/A**

THANKING YOU
ODM EDUCATIONAL GROUP