

Subject:-science.

Class. - V

Chapter - 6

Soil and its Conservation

Q1 Answer these questions :

1. What does soil contain ?

Ans Soil is a material composed of six ingredients — minerals , gravel, sand and clay particles , humus (dead plant and animal remains) , living organisms, water and air.

2. List various methods of conservation of soil ?

Ans The various method of conservation of soil are given below :

1. Growing over crops
2. Afforestation
3. Terrace farming
4. Shelter belts
5. Embankment
6. Animals also help in soil conservation

3. What do you mean by soil erosion ? What natural factors cause soil erosion ?

Ans The removal of topsoil by flowing water , wind , and rain is called soil erosion.

The agents of soil erosion are :

1. Soil erosion by water
2. Soil erosion by wind
3. soil erosion by human activities such as deforestation , overgrazing.
4. Explain how human activities brings about soil erosion ?

Ans Human activities are one of the major reason behind soil erosion. When we say human activities, the following activities fall under this category:-

Agriculture activities

Deforestation

Construction activities

Overgrazing

Overcropping

1. Deforestation

Excess cutting of trees in a forest is called deforestation. It also leads to soil erosion. Devoid of natural vegetation , the soil in these areas gets eroded by wind and flowing water.

2. Overgrazing

Overgrazing by cattle leads to the destruction of plants. Once the natural cover of plants is lost, the land exposed to wind and flowing water , leading to soil erosion.

Erosion makes the soil lose its fertility. This leads to fall in crop production .it is therefore important to protect the soil from erosion.

5. How deforestation causes soil erosion ?

Ans Excess cutting of trees in a forest is called deforestation. It also leads to soil erosion. Devoid of the natural vegetation , the soil in these areas gets eroded by wind and flowing water.

6 How is soil polluted ?

Ans Soil pollution is caused due to a number of human activities. The main cause of soil pollution is dumping of solid , non - biodegradable wastes on land. Factory waste with harmful chemicals are being dumped on land. Tons of garbage and harmful germs to the land . Non - biodegradable waste - like polythene bags , thermacol etc. are broken by bacteria or other living things .

B. Fill in the blanks :

1. Soil is formed by breaking down of rocks.
2. Topsoil is porous and contains many minerals and humus.

3. The wearing of topsoil is known as soil erosion
4. On hill slopes , soil erosion is prevented by terrace farming.
5. Soil erosion causes soil pollution.

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C . Write true and false

1. Soil provides us food , clothing and shelter true
2. The protection against soil erosion is called weathering false
3. Deforestation causes soil erosion true
4. The faster the flow of water , the more soil erosion it causes true
5. Soil erosion increases fertility of the soil false

D. Name the following

1. The uppermost layer of the soil - topsoil
2. The layer of soil with lumps of rocks - weathered rocks
3. Planting trees in large numbers - afforestation
4. Farming on hill slopes - terrace farming
5. Settling of soil at the bottom of rivers - silting.

E. Tick the correct answer

1. Soil erosion can be controlled by :

Ans all above factors

2. The removal of top soil by water and wind is called :

Ans Soil erosion

3. The soil erosion :

Ans reduce the fertility of the soil.

4. Which of the following factors does not lead to soil erosion ?

Ans terrace farming.

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