

Weathering and Soil Formation

A. Tick the correct answer:

1. Chemical weathering takes place due to
 - a. Exfoliation
 - b. Oxidation
 - c. Frost action
 - d. Wind action
2. Weathering away of rocks is called
 - a. Erosion
 - b. Gradation
 - c. Weathering
 - d. Deposition
3. Soil conservation is carried out by
 - a. Afforestation
 - b. Quarrying
 - c. Mining
 - d. Decomposition
4. Mechanical weathering is dominant in
 - a. Hot, wet areas
 - b. Cold, dry areas
5. Igneous Rocks are
 - a. Primary rocks
 - b. Secondary rocks
 - c. Changed rocks

B. Fill in the blanks:

1. Weathering is the _____ of rocks by agents like temperature, rain, etc.
2. Mechanical weathering is _____ of rocks by elements of weather like heat, frost, wind etc.
3. Oxidation is the reaction of _____ and water on rocks.
4. O-Horizon of the soil profile contains _____
5. _____ is a wasteful method of cultivation practised in the hills.

C. Explain the following terms:

1. Soil Horizon
2. Weathering
3. Denudation
4. Metamorphic

D. Differentiate between:

1. Weathering and Denudation
2. Mechanical weathering and Chemical weathering
3. Soil erosion and Soil conservation
4. Soil horizon and Soil profile

E. Answer briefly:

1. What is weathering?
2. What is soil?
3. Mention constructive effects of weathering.
4. How is weathering harmful?
5. Name the factors responsible for weathering.
6. What are rocks?
7. Mention some measures to conserve soil.
8. Draw a neat labelled diagram of the soil profile.