

I. Short Answer: Write the correct answer in the blank

1. Oxidation occurs when oxygen combines with what a rock is made of and forms new compounds.
2. Soil consists of multiple layers called horizons.
3. Bedrock is the unweathered rock that influences the texture of the soil above it.
4. A scientist who studies soil is called a pedologist.
5. Sand is the largest kind of particle in soil.
6. Silt allows water and air to mix in the soil.
7. The layer in which plants germinate and roots grow is called topsoil.

II. True/False:

- F 1. The primary force behind erosion is weathering.
- F 2. Soil fall is gravity pulling soil down the slope of a hill.
- F 3. Water, wind, and ice are three agents of gravity.
- T 4. The speed that water moves affects the amount of sediment it can carry.
- T 5. Moraines are piles of rocks and soil deposited by a glacier.

III. Identification: Write "M" if the term is related to mechanical weathering.

Write "C" if the term is related to chemical weathering.

C 1. acid rain

M 2. frost heaving

M 3. exfoliation

C 4. oxidation

C 5. acid from lichens and mosses

M 6. abrasion