ORTEGA Y GASSET

Soil Formation Worksheet

Instructions: Read each question carefully and choose the best answer. Circle the correct letter.

1. What are the main components of soil?

A) Sand and pebbles
B) Water and oil
C) Minerals, water, air, and organic matter
D) Lava and ash

2. What causes the mineral-rich portion of soil to form?

A) Animal activity
B) Breakdown of rocks
C) Volcanic eruptions
D) Glacial movement

3. What is the role of organisms like worms in soil?

A) They harden the soil
B) They consume all nutrients
C) They improve aeration and fertility
D) They produce clay

4. Which horizon is rich in organic material and is often called topsoil?

A) A Horizon
B) B Horizon
C) C Horizon
D) O Horizon

5. What is humus?

A) A type of clay
B) Decomposed plant and animal matter
C) A mineral found in rocks
D) Water stored in soil

6. Which soil layer contains plant roots and a mix of organic material and minerals?

A) R Horizon
B) O Horizon
C) A Horizon
D) B Horizon

7. What characterizes the B Horizon of soil?

A) Presence of fresh organic matter
B) Whole, solid rocks
C) Accumulation of minerals like clay and iron oxides
D) A mix of fungi and bacteria

8. What is the composition of the C Horizon?

A) Solid rock
B) Sand and humus
C) Partially eroded rocks and large rock fragments
D) Only water and air

9. Which layer of soil is made up of unaltered, solid parent rock?

A) C Horizon
B) A Horizon
C) R Horizon
D) B Horizon

10. What natural process contributes to the weathering of rocks on the surface?

A) Volcanic activity
B) Earthquakes
C) Atmospheric phenomena
D) Human activity

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