

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