



# Weathering and Erosion

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Multiple Choice

Circle the best answer for each question.

1. A sinkhole suddenly opens in a neighborhood. What most likely caused it?

- A) Wind erosion wore away the topsoil
- B) Underground limestone dissolved and the ground collapsed
- C) A glacier scraped away the bedrock
- D) Tree roots pushed the surface apart

2. Why do rivers deposit more sediment where they enter a lake or ocean?

- A) The water gets deeper and hotter
- B) The river water evaporates instantly
- C) The river slows down and can no longer carry heavy particles
- D) Salt in the ocean dissolves the sediment

3. Which is the best example of physical weathering?

- A) Iron in a rock turning reddish-brown from rust
- B) Limestone dissolving in acidic rainwater
- C) A rock splitting when water freezes in its cracks
- D) Cave formations growing from mineral-rich drips

4. How does vegetation help prevent erosion?

- A) Leaves block all rainfall from reaching the ground
- B) Roots hold soil in place and slow water runoff
- C) Plants absorb rocks and break them into sand
- D) Trees push soil uphill against gravity

## Part B: Fill in the Blank

Write the correct answer on each line.

1. A \_\_\_\_\_ plain is flat land formed by layers of sediment deposited during river floods.
2. Rocks that tumble in a river become \_\_\_\_\_ and rounded over time from abrasion.
3. The process of \_\_\_\_\_ turns feldspar minerals in granite into soft clay.
4. Barrier \_\_\_\_\_ protect the mainland coast from strong ocean waves and storms.
5. A glacier deposits a mix of unsorted rocks, sand, and clay called \_\_\_\_\_.

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**Part B: Fill in the Blank**

Write the correct answer on each line.

1. A flood plain is flat land formed by layers of sediment deposited during river floods.
2. Rocks that tumble in a river become smooth and rounded over time from abrasion.
3. The process of hydrolysis turns feldspar minerals in granite into soft clay.
4. Barrier islands protect the mainland coast from strong ocean waves and storms.
5. A glacier deposits a mix of unsorted rocks, sand, and clay called till .