



# Weathering and Erosion

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

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

Grade: Grade 4

## Part A: Multiple Choice

Circle the best answer for each question.

1. Which is an example of chemical weathering?

- A) Ice splitting a rock apart
- B) Tree roots cracking a sidewalk
- C) Acid rain dissolving limestone
- D) Wind blowing sand against a cliff

2. What landform is created when a river deposits sediment as it enters the ocean?

- A) canyon
- B) delta
- C) moraine
- D) sand dune

3. Which erosion agent carved the Grand Canyon over millions of years?

- A) glaciers
- B) wind
- C) flowing water
- D) gravity alone

4. Why does freezing water crack rocks?

- A) Water dissolves the minerals inside
- B) Water expands when it freezes and pushes the rock apart
- C) Frozen water is heavier than the rock
- D) Ice makes the rock softer

## Part B: Fill in the Blank

Write the correct answer on each line.

1. The process in which wind wears away rock by blowing sand against it is called \_\_\_\_\_.
2. Chemical weathering changes a rock's \_\_\_\_\_ makeup, while physical weathering does not.
3. A glacier carves a valley into a \_\_\_\_\_ shape as it moves.
4. Farmers plant cover crops to slow \_\_\_\_\_ of topsoil by rain.
5. Stalactites in caves form when dissolved \_\_\_\_\_ is deposited by dripping water.

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4. Why does freezing water crack rocks?

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**Part B: Fill in the Blank**

Write the correct answer on each line.

1. The process in which wind wears away rock by blowing sand against it is called abrasion.
2. Chemical weathering changes a rock's chemical makeup, while physical weathering does not.
3. A glacier carves a valley into a U shape as it moves.
4. Farmers plant cover crops to slow erosion of topsoil by rain.
5. Stalactites in caves form when dissolved limestone is deposited by dripping water.