



# 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.

## Answer Key · Weathering and Erosion · Grade: Grade 4

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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.