



# Weathering and Erosion

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

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

Grade: Grade 4

## Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Sand dunes are created by rivers depositing sand at the bottom of the ocean.

Rewrite: \_\_\_\_\_

2. Fix the sentence: Physical weathering changes the minerals inside a rock into new substances.

Rewrite: \_\_\_\_\_

3. Fix the sentence: A moraine is a valley carved by flowing water over thousands of years.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

- Ocean waves pounding against sea cliffs is an example of \_\_\_\_\_ weathering.
- A \_\_\_\_\_ is a large, slow-moving mass of ice that reshapes the land as it flows.
- The wearing away of rock by particles carried in wind, water, or ice is called \_\_\_\_\_.
- When a river slows down and drops the sediment it was carrying, the process is called \_\_\_\_\_.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Give one example of chemical weathering and explain what causes it.

\_\_\_\_\_  
\_\_\_\_\_

2. Why does a river carry more sediment during a heavy rainstorm than on a calm day?

\_\_\_\_\_  
\_\_\_\_\_

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

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### Part A: Fix the Sentence

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2. Fix the sentence: Physical weathering changes the minerals inside a rock into new substances.

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3. Fix the sentence: A moraine is a valley carved by flowing water over thousands of years.

Rewrite: \_\_\_\_\_

### Part B: Fill in the Blank

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Write the missing word or number on each line.

- Ocean waves pounding against sea cliffs is an example of physical weathering.
- A glacier is a large, slow-moving mass of ice that reshapes the land as it flows.
- The wearing away of rock by particles carried in wind, water, or ice is called abrasion.
- When a river slows down and drops the sediment it was carrying, the process is called deposition.

### Part C: Short Answer

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Answer each question in one or two complete sentences.

1. Give one example of chemical weathering and explain what causes it.

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2. Why does a river carry more sediment during a heavy rainstorm than on a calm day?

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