



# Weathering and Erosion

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

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

Grade: Grade 4

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. A \_\_\_\_\_ is a fan-shaped deposit of sediment at the mouth of a river.
2. Wind picks up tiny particles of sand and blasts them against rocks in a process called \_\_\_\_\_.
3. Plants help prevent erosion because their \_\_\_\_\_ hold the soil in place.
4. A U-shaped valley is formed by the slow movement of a \_\_\_\_\_.
5. The Grand Canyon was carved over millions of years mainly by the Colorado \_\_\_\_\_.
6. When ice melts and refreezes repeatedly, the process is called freeze-\_\_\_\_\_ weathering.
7. The layer of broken rock and organic matter on Earth's surface is called \_\_\_\_\_.
8. Waves deposit sand along the shore to form \_\_\_\_\_.
9. Rust forms on iron when it reacts with oxygen and \_\_\_\_\_.

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

delta	→ _____	deep valley carved by a river
sand dune	→ _____	hill of wind-deposited sand
moraine	→ _____	fan-shaped river deposit
canyon	→ _____	ridge left by a glacier

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

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. A delta is a fan-shaped deposit of sediment at the mouth of a river.
2. Wind picks up tiny particles of sand and blasts them against rocks in a process called abrasion.
3. Plants help prevent erosion because their roots hold the soil in place.
4. A U-shaped valley is formed by the slow movement of a glacier.
5. The Grand Canyon was carved over millions of years mainly by the Colorado River.
6. When ice melts and refreezes repeatedly, the process is called freeze-thaw weathering.
7. The layer of broken rock and organic matter on Earth's surface is called soil.
8. Waves deposit sand along the shore to form beaches.
9. Rust forms on iron when it reacts with oxygen and water.

### Part B: Matching

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Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

delta	→ <u>fan-shaped river deposit</u>	deep valley carved by a river
sand dune	→ <u>hill of wind-deposited sand</u>	hill of wind-deposited sand
moraine	→ <u>ridge left by a glacier</u>	fan-shaped river deposit
canyon	→ <u>deep valley carved by a river</u>	ridge left by a glacier