



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: Deposition is when rocks are broken into smaller pieces by rain and wind.

Rewrite: _____

2. Fix the sentence: Glaciers cause erosion only by melting and creating rivers of water.

Rewrite: _____

3. Fix the sentence:

Rust on a metal fence is an example of physical weathering because the metal breaks apart.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A _____ is a slow-moving river of ice that carves valleys.
2. Sand dunes form when wind causes _____ of sand in one area.
3. Acid rain dissolves minerals in rock through _____ weathering.
4. A delta forms where a river deposits _____ as it enters the ocean.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe one example of chemical weathering you might see outdoors.

2. Why do mountains become shorter and rounder over millions of years?

Answer Key · Weathering and Erosion · Grade: Grade 4

Part A: Fix the Sentence

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

1. Fix the sentence: Deposition is when rocks are broken into smaller pieces by rain and wind.

Rewrite: **Deposition is when sediment carried by water, wind, or ice is dropped in a new place.**

2. Fix the sentence: Glaciers cause erosion only by melting and creating rivers of water.

Rewrite: **Glaciers cause erosion by slowly grinding over rock and soil as they move, carving valleys and carrying debris.**

3. Fix the sentence:

Rust on a metal fence is an example of physical weathering because the metal breaks apart.

Rewrite: **Rust on a metal fence is an example of chemical weathering because a chemical reaction changes the metal into a new substance.**

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A **glacier** is a slow-moving river of ice that carves valleys.
2. Sand dunes form when wind causes **deposition** of sand in one area.
3. Acid rain dissolves minerals in rock through **chemical** weathering.
4. A delta forms where a river deposits **sediment** as it enters the ocean.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe one example of chemical weathering you might see outdoors.

Acid rain slowly dissolves limestone statues and buildings. Over many years the surface becomes rough and details wear away because the acid changes the rock minerals.

2. Why do mountains become shorter and rounder over millions of years?
-