



Weathering and Erosion

Name: _____

Date: _____

Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Tree roots growing into rock cracks cause _____ weathering.
2. When carbon dioxide mixes with rainwater it forms a weak _____ that dissolves limestone.
3. A V-shaped valley is carved by a fast-flowing _____.
4. Wind erosion is strongest in flat, dry areas like _____.
5. Gravity pulls loose rocks downhill in an event called a _____.
6. A moraine is a ridge of sediment left behind by a _____.
7. Ocean waves erode cliffs along the _____.
8. Sediment that settles at the bottom of a lake is an example of _____.
9. The repeated freezing and thawing of water in rock cracks is called frost _____.

Part B: Matching

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

1. Match each item to its correct answer.

physical weathering	→		sediment dropped in a new place
chemical weathering	→		rock broken by ice or roots
erosion	→		minerals changed by acid rain
deposition	→		sediment carried away by wind or water

Answer Key · Weathering and Erosion · Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Tree roots growing into rock cracks cause physical weathering.
2. When carbon dioxide mixes with rainwater it forms a weak acid that dissolves limestone.
3. A V-shaped valley is carved by a fast-flowing river .
4. Wind erosion is strongest in flat, dry areas like deserts .
5. Gravity pulls loose rocks downhill in an event called a landslide .
6. A moraine is a ridge of sediment left behind by a glacier .
7. Ocean waves erode cliffs along the coastline .
8. Sediment that settles at the bottom of a lake is an example of deposition .
9. The repeated freezing and thawing of water in rock cracks is called frost wedging .

Part B: Matching

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

1. Match each item to its correct answer.

physical weathering	→ <u>rock broken by ice or roots</u>	sediment dropped in a new place
chemical weathering	→ <u>minerals changed by acid rain</u>	rock broken by ice or roots
erosion	→ <u>sediment carried away by wind or water</u>	minerals changed by acid rain
deposition	→ <u>sediment dropped in a new place</u>	sediment carried away by wind or water