



Weathering and Erosion

Name: _____

Date: _____

Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Caves form when acidic groundwater dissolves _____ rock underground.
2. A _____ is a deep, narrow valley with steep sides carved by a river.
3. When temperature changes cause the outer layers of rock to peel off, it is called _____.
4. Muddy river water shows that the river is carrying _____ downstream.
5. A sea _____ is a natural opening through a rocky headland formed by wave erosion.
6. Lichens growing on rock surfaces cause slow _____ weathering by releasing acids.
7. A floodplain is an area of flat land built by repeated _____ of river sediment.
8. Animals that dig burrows contribute to physical weathering by breaking apart _____ and rock.
9. A _____ is a bowl-shaped hollow carved into a mountainside by a small glacier.

Part B: Matching

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

1. Match each erosion agent to the landform it creates.

river water	→ _____	U-shaped valley
ocean waves	→ _____	sea cliff
wind	→ _____	V-shaped canyon
glacier	→ _____	sand dune

Answer Key · Weathering and Erosion · Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Caves form when acidic groundwater dissolves limestone rock underground.
2. A canyon is a deep, narrow valley with steep sides carved by a river.
3. When temperature changes cause the outer layers of rock to peel off, it is called exfoliation.
4. Muddy river water shows that the river is carrying sediment downstream.
5. A sea arch is a natural opening through a rocky headland formed by wave erosion.
6. Lichens growing on rock surfaces cause slow chemical weathering by releasing acids.
7. A floodplain is an area of flat land built by repeated deposition of river sediment.
8. Animals that dig burrows contribute to physical weathering by breaking apart soil and rock.
9. A cirque is a bowl-shaped hollow carved into a mountainside by a small glacier.

Part B: Matching

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

1. Match each erosion agent to the landform it creates.

river water	→ <u>V-shaped canyon</u>	U-shaped valley
ocean waves	→ <u>sea cliff</u>	sea cliff
wind	→ <u>sand dune</u>	V-shaped canyon
glacier	→ <u>U-shaped valley</u>	sand dune