

Name _____



Weathering & Erosion Knowledge Check

Instructions: Choose the best answer for each question by writing the **letter** of your choice in the blank.

1. ____ Which process describes rocks being broken down into smaller pieces without being moved?
 - A. Erosion
 - B. Deposition
 - C. Weathering
 - D. Transportation
2. ____ Which of the following is an example of **chemical weathering**?
 - A. Tree roots breaking pavement
 - B. Water freezing and expanding in cracks
 - C. Waves pounding a cliff
 - D. Rust forming on an iron fence
3. ____ What is the main difference between weathering and erosion?
 - A. Weathering moves materials; erosion breaks them down.
 - B. Weathering breaks materials down; erosion moves them.
 - C. Weathering and erosion are the same process.
 - D. Weathering happens faster than erosion.
4. ____ Which agent of erosion is responsible for forming U-shaped valleys?
 - A. Wind
 - B. Glaciers
 - C. Rivers
 - D. Gravity
5. ____ When a river slows down and drops sediment, the process is called:
 - A. Weathering
 - B. Erosion
 - C. Deposition
 - D. Transport

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6. ____ Which human activity increases the risk of erosion?
 - A. Planting trees on slopes
 - B. Building terraces on farmland
 - C. Removing vegetation from hillsides
 - D. Adding mulch to garden soil
7. ____ Which of the following is **physical weathering**?
 - A. Acid rain dissolving limestone
 - B. Wind blowing sand against rocks
 - C. Rusting metal bridge supports
 - D. Plant roots producing acids in soil
8. ____ Which process forms a delta at the mouth of a river?
 - A. Deposition
 - B. Weathering
 - C. Physical weathering
 - D. Oxidation
9. ____ What role does gravity play in erosion?
 - A. It causes glaciers to melt.
 - B. It creates acid rain.
 - C. It breaks rocks into smaller pieces.
 - D. It moves rocks and soil downhill.
10. ____ Which is NOT an example of erosion?
 - A. Rocks breaking into pebbles due to freeze-thaw cycles
 - B. A landslide moving soil downhill
 - C. A river carrying sediment downstream
 - D. Wind moving sand dunes across a desert

