

Name \_\_\_\_\_



## Weathering and Erosion in Action

**Instructions:** Below are everyday scenarios you might see in your neighborhood, at the beach, or in the mountains. Your job is to decide whether the main process happening is **Weathering** (breaking down of rock in place) or **Erosion** (movement of rock and soil to a new location). Write **W** for Weathering or **E** for Erosion in the blank next to each scenario.

1. \_\_\_\_ Sidewalk concrete cracks during winter because water inside freezes and expands.
2. \_\_\_\_ Waves carry away sand from the shoreline and deposit it farther down the coast.
3. \_\_\_\_ Acid rain slowly eats away the surface of a marble statue in a park.
4. \_\_\_\_ Wind blows fine dust from a dry field to a nearby town.
5. \_\_\_\_ Plant roots grow into a brick wall, slowly breaking it apart.
6. \_\_\_\_ A river carries pebbles downstream, dropping them in a bend.
7. \_\_\_\_ Rust forms on the metal surface of a playground slide.
8. \_\_\_\_ A landslide moves a mass of soil and rocks down a hillside.
9. \_\_\_\_ Ice wedging splits a large rock into smaller pieces on a mountain trail.
10. \_\_\_\_ A glacier moves down a valley, grinding rock beneath it and carrying the debris away.

### Bonus Challenge:

Pick **two examples from the list**: one Weathering and one Erosion, and write **one sentence** explaining why each fits its category.

1.

2.