



# Weathering and Erosion

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Multiple Choice

Circle the best answer for each question.

1. Which best explains why soil on a steep hill erodes faster than soil on flat ground?

- A) The hill has more rain
- B) Gravity pulls water and soil downhill faster on steep slopes
- C) Flat ground has no gravity
- D) Hills are made of softer rock

2. A statue made of marble has become rough and pitted after 200 years outdoors. What most likely caused this?

- A) Physical weathering from sunlight
- B) Chemical weathering from acid rain
- C) Erosion from strong winds
- D) Deposition of new minerals

3. Which human activity can speed up erosion the most?

- A) Planting trees on hillsides
- B) Building terraces on slopes
- C) Clearing forests for farmland
- D) Adding mulch to gardens

4. What is the correct order of events that forms a delta?

- A) Deposition, erosion, weathering
- B) Weathering, erosion, deposition
- C) Erosion, deposition, weathering
- D) Deposition, weathering, erosion

## Part B: Fill in the Blank

Write the correct answer on each line.

1. Terracing farmland on hillsides helps slow \_\_\_\_\_ by creating flat steps.
2. A sea arch forms when waves erode both sides of a rocky \_\_\_\_\_.
3. Oxidation is a type of chemical weathering that causes iron-bearing rocks to turn \_\_\_\_\_.
4. The movement of large amounts of rock and soil down a slope is called mass \_\_\_\_\_.
5. Barrier islands are formed by the \_\_\_\_\_ of sand along a coast.

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### Part B: Fill in the Blank

Write the correct answer on each line.

1. Terracing farmland on hillsides helps slow erosion by creating flat steps.
2. A sea arch forms when waves erode both sides of a rocky headland.
3. Oxidation is a type of chemical weathering that causes iron-bearing rocks to turn red.
4. The movement of large amounts of rock and soil down a slope is called mass wasting.
5. Barrier islands are formed by the deposition of sand along a coast.