

Name \_\_\_\_\_

## Shaping the Earth: Erosion and Weathering's Role in Landform Creation

### Open-Ended Response Answer Key

1. Responses will vary depending on the chosen landform.
2. Geologists may use radiometric dating, sediment analysis, and geological mapping to determine a landform's age and history.
3. Accelerated erosion can lead to soil degradation, landslides, and water pollution. Mitigation strategies may include afforestation, erosion control measures, and sustainable land use.
4. Indigenous cultures often have deep connections to their local landscapes, incorporating landforms into creation myths, rituals, and resource management practices. Specific examples may include the Navajo's relationship with Monument Valley or the Aboriginal Dreamtime stories related to Uluru.

