

Name _____



Shaping the Earth: Short Answer Challenge

Instructions: Answer each question in **2-4 complete sentences**. Be sure to use correct Earth Science vocabulary like **weathering**, **erosion**, and **deposition** in your explanations.

1. **Mountains to Pebbles:** How can tall mountains be worn down into small pebbles over millions of years?
2. **Coastal Changes:** A rocky coastline is exposed to constant wave action. Explain how both weathering and erosion work together to change the shape of the coast.
3. **River Journeys:** Describe how a river can carry sediment from its source to its mouth, and how this process changes the land along the way.
4. **Glacial Sculptors:** Explain how glaciers both break down rock and carry it to new locations.
5. **Human Impact:** A farmer removes all vegetation from a hillside to plant crops. Explain how this decision might affect erosion rates and the shape of the land over time.

Bonus Challenge

Choose one famous landform (like the Grand Canyon or a river delta) and describe in 2–3 sentences how weathering, erosion, and deposition played a role in its formation.