

Name _____

Frozen Giants: How Glaciers Shape the Earth's Landscape

Short Answer Key

1. Fjords are formed when glaciers carve deep valleys through mountainous terrain. They are unique due to their long, narrow inlets of seawater surrounded by steep cliffs or mountains.
2. Moraines consist of rocks, gravel, and sediment deposited by glaciers. They serve as records of glacial movements, helping scientists understand the glacier's history.
3. Glaciers contribute to landscape erosion by grinding down mountains, creating valleys, and shaping coastlines through their movement and ice flow.
4. Post-glacial rebound is the rising of land that was once compressed by the weight of glaciers. It affects landforms by causing previously submerged areas to rise.
5. Glacier retreat due to climate change can have adverse environmental impacts, including rising sea levels, altered ecosystems, and reduced freshwater resources.

