

Name: _____

Content Check

Read and answer the questions below.

- 1. How does a glacier change the land when it moves down the side of a mountain?**
- 2. How can a glacier deposit the pieces of rock and soil that it picked up when moving across land?**
- 3. If a frozen glacier moves along a riverbed, explain why the riverbed will get wider.**

Content Check

Teacher Key

1. How does a glacier change the land when it moves down the side of a mountain?

As the glacier moves across land, it can scrape up rock and soil. Valleys are formed when a glacier moves across or down a slope.

2. How can a glacier deposit the pieces of rock and soil that it picked up when moving across land?

When a glacier begins to melt, it slowly drops the rock and soil back off. The temperature is higher at the base of a mountain, and this is where you see a glacier depositing pieces of rock and soil. Eventually a stream of water is created, like a river, which continues to carry off sediments it picked up when moving across land.

3. If a frozen glacier moves along a riverbed, explain why the riverbed will get wider.

A glacier acts like a snow plow. It moves and pushes soil, rock, and other sediments out of its way. As the ice scrapes across the riverbed, it causes the soil and rock to break up and expand so that the glacier can continue moving.