

Name _____ Date _____

Instructions: Read each question carefully and choose the best answer.

1. Which sentence describes a **continental glacier**?
 - Ⓐ It creates valleys and fjords when it moves.
 - Ⓑ It is a huge and thick sheet of ice.
 - Ⓒ It is high on a mountain above the snowline.
 - Ⓓ It is narrow and in a valley.
2. What is the first step in the formation of a glacier?
 - Ⓐ Snow piles up faster than it melts.
 - Ⓑ The firn turns into solid ice.
 - Ⓒ The glacier moves downhill.
 - Ⓓ The snowflakes get squashed into firn.
3. When glaciers move, how do they change the land?
 - Ⓐ They carve deep U-shaped valleys.
 - Ⓑ They flatten the land.
 - Ⓒ They push piles of soil and rock.
 - Ⓓ All of the above
4. Read the sample sentence:
*Glaciers leave behind **till**.*
What does the word **till** mean?
 - Ⓐ until
 - Ⓑ money
 - Ⓒ soil left by a melting glacier
 - Ⓓ pieces of a glacier that break off and float in the ocean
5. Which of the sentences below states an opinion?
 - Ⓐ Some icebergs are nearly 80 kilometers (50 mi) long.
 - Ⓑ Glaciers give the Earth beautiful shapes.
 - Ⓒ A crack in a glacier is called a *crevasse*.
 - Ⓓ Continental glaciers form in the middle of continents.
6. How are continental and valley glaciers alike?
 - Ⓐ They cover large areas of land.
 - Ⓑ They contain compressed snow.
 - Ⓒ They move like rivers.
 - Ⓓ They form on mountaintops.

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7. What happens when the top layers of a glacier move faster than the bottom layers?
 - Ⓐ Ice falls into the ocean.
 - Ⓑ A lake forms.
 - Ⓒ The ice cracks.
 - Ⓓ The glacier melts.
8. What causes ice crystals to be squashed together on a glacier?
 - Ⓐ the weight of the snow above
 - Ⓑ the rocks in the glacier
 - Ⓒ the very cold temperatures
 - Ⓓ all of the above
9. Which sentence states the main idea of *Mighty Glaciers*?
 - Ⓐ Glaciers cover large areas on Greenland and Antarctica.
 - Ⓑ Glaciers are created by snow piling up in cold places faster than it melts.
 - Ⓒ Glaciers are constantly moving layers of ice that never melt.
 - Ⓓ Glaciers are an important, powerful element affecting the Earth's surface.
10. How fast would you have to move to keep up with most moving glaciers?
 - Ⓐ as fast as riding in a car
 - Ⓑ hardly moving
 - Ⓒ moving at a walking pace
 - Ⓓ running quickly
11. **Extended Response:** What would happen if all the glaciers in the world melted suddenly? Include at least two ideas.

Quick Check Answer Sheet

Mighty Glaciers

Main Comprehension Skill: Cause and Effect

1. Ⓑ *Vocabulary*
2. Ⓐ *Sequence Events*
3. Ⓓ *Cause and Effect*
4. Ⓒ *Vocabulary*
5. Ⓑ *Fact or Opinion*
6. Ⓑ *Compare and Contrast*
7. Ⓒ *Cause and Effect*
8. Ⓐ *Cause and Effect*
9. Ⓓ *Main Idea and Details*
10. Ⓑ *Make Inferences / Draw Conclusions*
11. Possible answers: *There would be major flooding around the world. Coastal cities would be destroyed. There would be a big effect on the economy.*