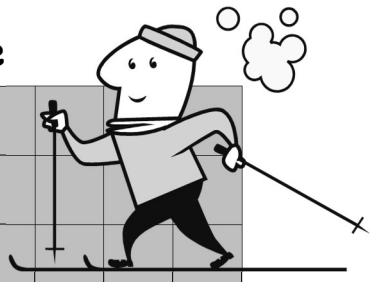
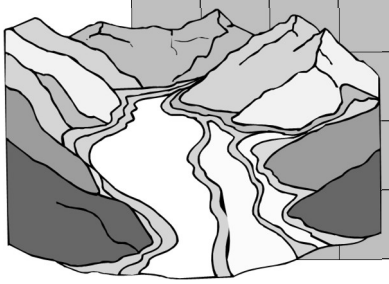
Lesson 9

Glaciers – Ice on the Move





Across

2. Dirt that has been pushed into a pile at the front of the glacier.
5. Where the sea water flows up into the valley created by the glacier
6. Snow that is compacted and refrozen
9. This type of glacier is narrow and is formed in the space between mountains.
11. The front (low) end of a glacier
12. A curved line of rocks and dirt that the glacier leaves behind after it melts
13. A pile of rocks and dirt that the glacier leaves behind

Down

1. Where the speed of the glacier is the fastest
3. This type of glacier is wide and is formed where several glaciers come together
4. A deep crack in a glacier
7. A large chunk of ice that falls off a glacier into the ocean
8. When a glacier picks up large rocks and boulders and pulls them away
10. A small lake dug out by a glacier

© Amy Brunsting 2026

The Ice that Changed the World!

The movement of glaciers has changed the landscape in the northern and southern regions of the globe. The massive blocks of ice have carved and reshaped hills and valleys. Read pp. 517 – 528 of Space and Earth Book B to learn more about glaciers.

1. How are glaciers formed?

2. What causes glaciers to start moving?

3. What is the difference between the accumulation zone and the wastage zone?

4. What is the most common type of glacier?

5. How is an ice sheet different than a valley glacier?

6. List the two types of ice sheets. Explain the difference between them.

7. Where are the two continental glaciers in the world? How big is each one?

8. How are icebergs formed? What is this process called?

9. What percentage of an iceberg is submerged?

10. What is an ice floe?

11. What factors affect the speed of glacier movement?

12. What causes parallel scratch marks in rocks that glaciers have traveled over?

13. What is a tarn?

14. What is a fiord?

15. How is glacial till deposited?



If you want to see some really good pictures of glacial landforms, check out the link below. It was created by the University of Wisconsin and the photos are great!

https://web.archive.org/web/20160429191630/http://www4.uwsp.edu/geo/faculty/lemke/alpine_glacial_glossary/landforms/col.html

© Amy Brunsting 2026