

Review questions: Glaciers I, July 15, 2009

1. What is a glacier and under what conditions do they form?
2. Compare and contrast alpine glaciers and continental glaciers.
3. How does basal slip differ from plastic flow in a glacier?
4. If the end of a glacier is retreating, what might you infer about the climate of an area?
5. Describe how glaciers erode the land.
6. Compare the competence of wind, water, and ice.
7. What shape valley characterizes an area that has been eroded by an alpine glacier?
8. Name two landforms associated with the part of a mountain not completely covered by ice but subject to alpine glaciation. Explain how each was formed?
9. What is a moraine?
10. What stream pattern is associated with seasonal glacial meltwater?
11. What is a fiord?
12. What is a glacial erratic?