

Alpine Glacial Features Quiz

This quiz was created by Dr. Dave Lageson, Dept. of Earth Sciences, Montana State University, while at Mount Everest Base Camp in Spring 2012

This short little quiz is intended to demonstrate some of the spectacular landforms and deposits created by the active glaciers that surround Everest Base Camp. Try to identify as many glacial features as possible. This quiz may be given as a PowerPoint presentation to the entire class, or images may be printed and handed out to teams of two or more students.

Slide #1 ⇨ Title slide

Slide #2 ⇨ Wide-angle view of the mountains just above Everest Base Camp. Identify as many alpine glacial landforms as possible (both erosional and depositional)

Slide #3 ⇨ Question: is the large boulder (also seen in the previous slide in the lower right corner) a glacial erratic? Define what a glacial erratic is.

Slide #4 ⇨ Close-up view of the same boulder.

Teacher Key: Students should be able to identify between 5-10 glacial landforms and deposits on slide #2

The answer to the question about a glacial erratic is "no - it is not an erratic." This is merely a boulder on top of a glacier. An erratic is a boulder left behind as a glacier recedes, often left on recessional till.