

ANSWER KEY**Exercise: 1**

Instructions: Glaciers are structures that can be extremely powerful. Glaciation has dramatically changed some landscapes by scraping and carrying debris for many miles. Traces of glacial erosion and deposition can be found in many areas of Idaho. This activity will help you understand this powerful geological phenomenon.

1. A glacier is a giant piece of _____.

Land ice that moves under its own weight.

2. A glacier forms when _____ piles up year after year without melting.

Snow

3. A glacial valley is formed when _____.

A glacier scoops out debris from a valley and widens it.

4. A glacial valley is shaped like a giant letter A while a river valley is shaped like a giant letter B .

A. Glacial valley is shaped like a “U”

B. River valley is shaped like a “V”.

5. _____ glaciation is when an ice sheet covers a large part of a continent.

Continental

6. A _____ is a body of rubble deposited by a glacier.

Moraine

7. The ice sheet near Sandpoint must have been at least _____ feet thick.

4,500

8. A glacial _____ is a steep-sided, rounded, bowl-shaped feature carved into a mountain at the head of a glacial valley.

Cirque