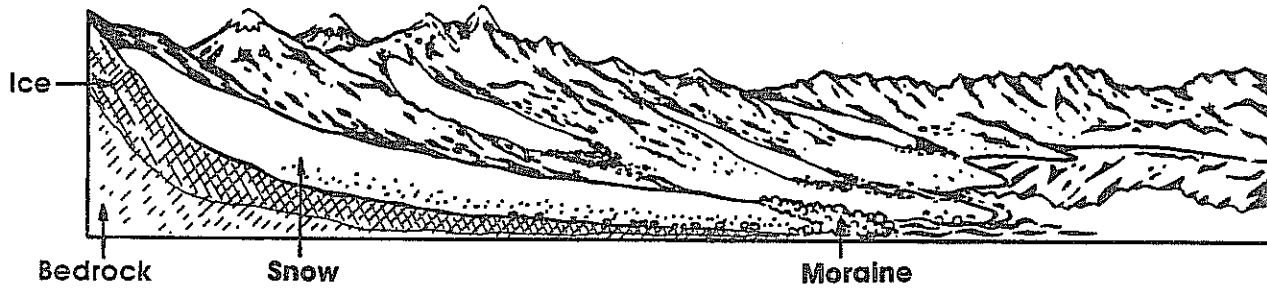


# Rivers of Ice

Name \_\_\_\_\_



A large mass of snow and ice that lasts for years and years is called a **glacier**. Glaciers form over a period of years when more snow falls in the winter than melts in the summer. As the snow accumulates, the snow deep under the surface snow compresses into thick, dense ice. This ice, called **firn**, can be from 30 to 50 meters thick.

In mountainous regions, the downward pull of gravity on the ice causes the flow down the mountainside. As the solid glacier flows, it picks up rocks and stones. When the glacier melts, the rocks and stones are deposited in small mounds called **moraines**.

• The force of a glacier has left these glacial terms in a bit of a mess. Unscramble them. You may consult your science book or another resource book.

<p>Glacier formed long smooth hills.</p> <p>_____</p> <p>D M L R U N I S</p>	<p>Refrozen snowmelt in a glacier.</p> <p>_____ F N I R</p>	<p>Large crack in a glacier.</p> <p>_____</p> <p>S R A C E S E V</p>
<p>Melted glacial ice.</p> <p>_____</p> <p>M T W T</p> <p>E A L E R</p>	<p>Small mound formed by the deposit of rocks from a melting glacier.</p> <p>_____</p> <p>R O M I N A E</p>	<p>Winding ridge left by melting glacier.</p> <p>_____</p> <p>K E R S E</p>
<p>Hollows in the land left by melting chunks of ice.</p> <p>_____</p> <p>L E K E T T S</p>		

1. What are two reasons snow would stay on the ground year-round? \_\_\_\_\_
2. What happens to snow packed down by a great force? \_\_\_\_\_
3. Is there any evidence that glaciers once existed in your area? \_\_\_\_\_

**Fun Fact**  
 About three-fourths of all fresh water in the world—the equivalent of 60 years of precipitation over the entire globe—is stored in glacial ice.