



# Experiment: Glaciers

Glaciers are formed from accumulated snow, ice and rocks

## Materials:

Plastic Tub  
Shaved/Crushed Ice  
Colored Chalk  
Rocks/Pebbles  
Corn Starch



1. In the empty tub place some rocks/gravel to represent the valley floor
2. Add the shaved ice to represent the snowfall
3. Add the crumbled colored chalk to represent dirt and sand
4. Sprinkle on corn starch to represent rock flour
5. Add additional "snow" and rocks and apply pressure to represent the pressure of the weight of the snow & ice and freeze overnight
6. Observe your new "glacier" and what it's made of

## Questions to consider:

- How long do you think this process would take in nature?
- How do you think the addition of extra mass (snow and ice) affects glaciers?

