



Snow Volcano

Winter is here and usually that means snow! This is a fun time of year to try some indoor experiments outside. We decided to take this classic experiment and observe the chemical reaction in the snow.

Supplies:

- Snow
- Baking soda
- Vinegar
- Dish soap
- Warm water
- Food coloring
- A plastic water bottle or a bottle with a narrow opening.



Directions:

1. Gather your materials, bundle up, and head outside!
2. In your bottle add a few drops of dish soap and a few scoops of baking soda.
3. Next mix in some warm water ($\frac{1}{4}$ cup to $\frac{1}{2}$ cup)
4. Place your bottle in the snow and build a snow volcano around your bottle. Make sure you leave an opening at the top.
5. Time to add the vinegar! Pour the vinegar into the top of your volcano and watch it erupt!

No Snow? - Try this experiment in your sandbox or inside on your kitchen counter!



I WONDER.....

- What would happen if you didn't add soap?
- Does the amount of baking soda change the eruption?
- Does the color make a difference?