



# Snow Volcano

Use either real snow, or make some yourself, and create an acid-base eruption!

## Supplies:

### For DIY Snow:

- 3 cups baking soda
- ½ cup hair conditioner
- large bowl

### For Volcano:

- baking soda
- vinegar
- food coloring
- cookie sheet



**Procedure:** If there's snow on the ground, proceed to "Build your volcano." If you need to whip some up, just move to the next step.

**Make snow:** There are a lot of recipes for snow, but this one wins for simplicity and pack-ability. Just combine about 3 cups of baking soda and ½ cup of hair conditioner (the cheap stuff works great) in a large bowl and stir.



**Build your volcano:** If you're working with the DIY snow, dump it out onto a cookie sheet, and form your volcano there. If you've got snow on the ground, head outside, and use what nature provided!

Form a mound of snow, and push down in the center to make an indentation several inches deep. Add a drop of food coloring to about ¾ cup of vinegar. In real snow, pour up to a cup of baking soda into the indentation, and add your vinegar.

If using the DIY snow, just add food coloring to the vinegar and pour it into the indentation.

## What's Happening?

In real life, volcanoes form when rock from the earth's mantle melts, moves to the surface, and releases pressurized gases that force magma up and out.

The baking soda (base) in this acid-base volcano takes hydrogen away from the vinegar (acid) creating carbon dioxide bubble "lava."



Eat your heart out, Vesuvius!