



RECREATION AT HOME

Snow Volcano

Get the kids outside this winter and build a snow volcano! Kids can explore a chemical reaction between baking soda and vinegar with an easy to build volcano made out of snow! Plus you can leave the mess outside!

This winter chemistry activity is perfect for children of all ages to work on together making it perfect for both classroom and home activities.

Supplies needed:

• Snow	• Warm Water
• Dish soap	• Vinegar
• Red food colouring (or any colour of your choosing)	• Tall plastic cup or bottle

How to Make A Snow Volcano

1. You will want to make sure to have plenty of baking soda and vinegar ready because the kids will want to do this over and over! Change out the food coloring if desired or make a rainbow of snow volcanos.
2. In a tall cup or plastic bottle, add 1 tablespoon of dish soap, fill halfway with baking soda and mix in 1/4 cup of warm water. If you use a bottle with a narrower opening, you may get your "lava" to shoot up a bit into the air!
3. You can add several drops of food colouring in the cup (the more food colouring the darker the lava). Of course you can experiment with your own colours too.
4. Place the cup in the snow and build a snow volcano around the cup. You want to pack the snow right up to the cup and make sure you can't see the cup. Just make sure to leave a hole in the top for the lava to come out.
5. You can now have the kids pour the vinegar in the top of the volcano and watch it erupt (the more vinegar the bigger the eruption). Go ahead and repeat as desired with more vinegar and baking soda.

Baking Soda Volcano Science

Whether you make this snow volcano in the snow, the sand, or on the kitchen counter, the science is still the same. Baking soda and vinegar volcanos are a simple chemistry experiment that kids know and love.

When you make a snow volcano, you are mixing an acid (the vinegar) and a base (baking soda) which then produces a gas called carbon dioxide. This gas is fizzy and bubbly, but when you add in the dish soap you get extra frothy bubbles.

In chemistry when you mix two or materials you get a new substance and in this activity the substance is the gas!