

# BUBBLING VOLCANO

## What You Need

- \* tape
- \* paper snack cup
- \* paper plate
- \* aluminum foil
- \* scissors
- \* cookie sheet with raised lip
- \* 2 tablespoons (30 mL) of water
- \* red food coloring
- \* 1 tablespoon (15 mL) of baking soda
- \* 2 tablespoons (30 mL) of white vinegar

What's all that bubbling and frothing? It's just your very own erupting volcano! Build this, and your friends will be over in an instant to see all the action.



**Step 1:** Tape the bottom of the paper cup to the center of the paper plate.

**Step 2:** Cover the cup and plate with a long piece of foil. Make it long enough to fold around the edges of the plate.



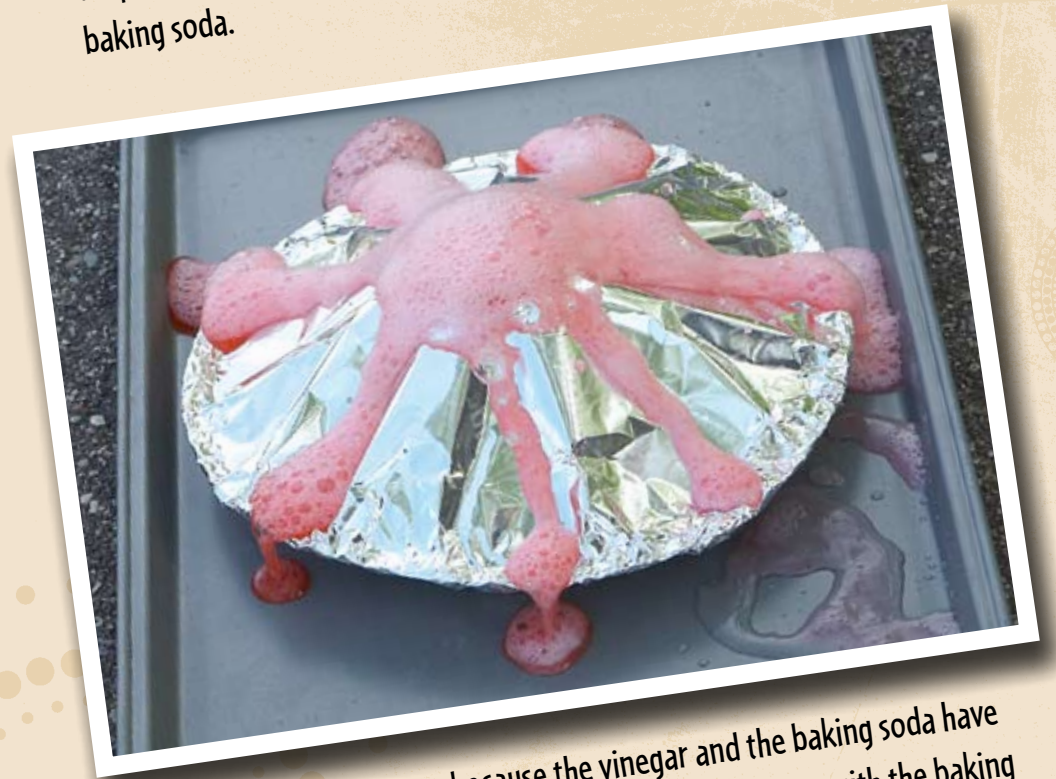
**Step 3:** Use scissors to poke a hole in the foil where it covers the center of the cup. Cut four slits from the hole to the edges of the cup to create tabs. Fold the tabs down and tape them inside the cup.



**Step 4:** Set your volcano on a large cookie sheet. Pour the water into the cone of the volcano. Then add several drops of red food coloring and the baking soda.



**Step 5:** Pour in the vinegar and watch your volcano erupt!



Note: The volcano erupts because the vinegar and the baking soda have a chemical reaction. The vinegar is an **acid** that reacts with the baking soda to make a froth.

Impressiveness: ★★ ★

Complexity: ★ ☆ ☆

« **acid** a substance that tastes sour and that can burn your skin »