

# BUBBLING VOLCANO

## Materials

- Tape
- Paper snack cup
- Paper plate
- Aluminum foil
- Scissors
- Cookie sheet with raised lip
- 2 tablespoons (30 mL) water
- Food coloring
- 1 tbsp (15 mL) baking soda
- 2 tbsp (30 mL) white vinegar

## Instructions

- Tape the bottom of the paper cup to the center of the paper plate
- Cover the cup and plate with a long piece of foil. Make it long enough to wrap completely around the edges of the plate. When completed, the shape of your “volcano” should be evident.
- 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.
- Set your volcano on a large cookie sheet (make sure it has a lip to catch the mess). Pour the water into the cone of the volcano. Then add several drops of food coloring and the baking soda.
- Pour in the vinegar and watch your volcano erupt!

## What’s Going On?

The volcano erupts because the vinegar and the baking soda create a chemical reaction. The vinegar is an acid that reacts with the baking soda, causing it to froth. This reaction creates carbon dioxide!

*Project from The Kids’ Guide to Building Cool Stuff by Sheri Bell-Rehwoldt.*