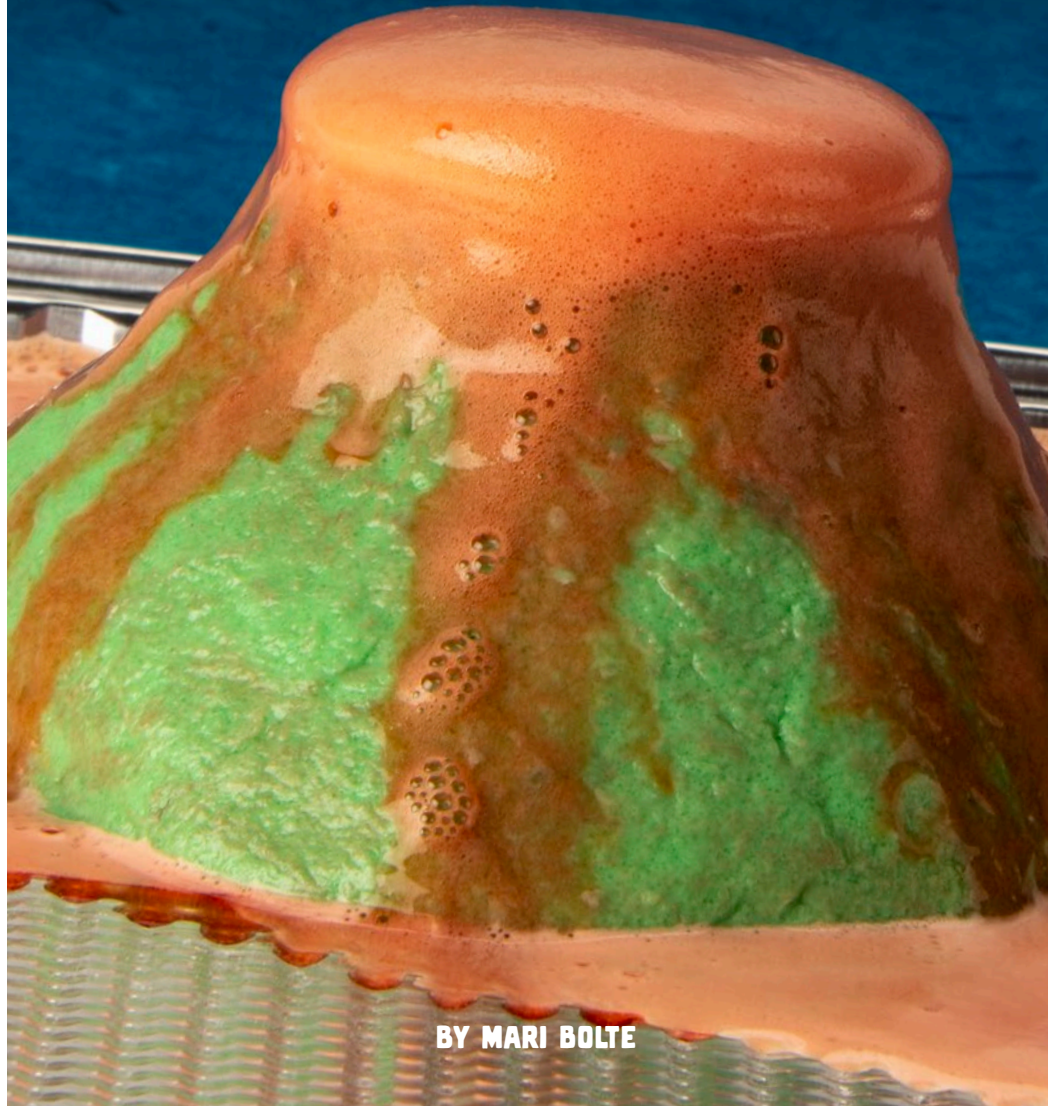


Pebble
Maker



MAKE YOUR OWN **VOLCANO**



BY MARI BOLTE

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Words in **BOLD** are in the glossary.

WHAT IS A VOLCANO?

Volcanoes are openings in Earth's surface. Some look like mountains. When they **erupt**, hot lava called **magma** explodes out the top.

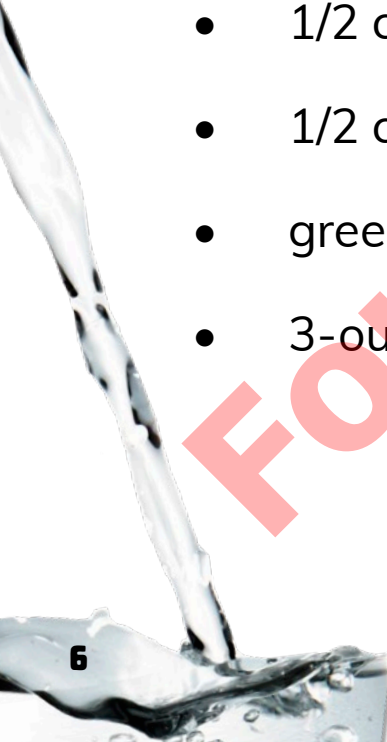
Gather a few simple supplies to make your own volcano. It's a lot safer than a real one!





WHAT YOU NEED

- large bowl
- measuring cups and tablespoon
- spatula
- 1 cup (125 grams) flour
- 1/2 cup (63 g) table salt
- 1/2 cup (4 fluid ounces) warm water
- green and red food coloring
- 3-ounce paper cup



- baking tray
- 1 tablespoon (17 g) baking soda
- 1 tablespoon (15 milliliters) dish soap
- craft stick
- 1/2 cup white vinegar



WHAT YOU DO

STEP 1

In a large bowl, use the spatula to mix the flour, salt, water, and a few drops of green food coloring. It should form a dough.



TAKE IT FURTHER

Make an even bigger eruption.

Ask an adult to help you.

Wear goggles for safety!

Replace the baking soda with **hydrogen peroxide**. Replace the vinegar with one packet of yeast and 3 tablespoons (45 mL) of water. Now watch your volcano erupt!





BEHIND THE SCIENCE

When vinegar and baking soda are mixed, they make a **gas** called **carbon dioxide**. This makes the mixture bubble over and the volcano erupt.

The dish soap helps the eruption last longer. It slows down the **chemical reaction**.