

Sparkly volcano activity

Try this science experiment that explodes and sparkles. Discover what happens when you mix an **acid** with a **base**.

You will need

- vase
- baking soda
- vinegar
- food colouring
- glitter
- pan to contain the mess



Directions

1. Place 2-3 tablespoons of baking soda in the bottom of your vase and put the vase in the pan.
2. Add 6-7 drops of food colouring
3. Next, add 1-2 teaspoons of glitter.
4. Quickly pour in about 1/2 cup vinegar.
5. Watch for bubbles.

How did that happen?

There are millions of chemical materials in the world. Some of them are **acidic** and others have **basic** properties. It all depends on what kind of ions they release.

In this experiment baking soda is a **base** and vinegar is an **acid**. When you mix the two together a reaction occurs. Once you pour the vinegar into the vase the **acid** in the vinegar reacts with the sodium bicarbonate in the baking soda to form carbonic acid. Carbonic acid is unstable and breaks apart into carbon dioxide and water. The eruption you see comes from the carbon dioxide escaping what is left in the vase.