

## Baking Soda and Vinegar

### SUPPLIES

- ☐ Balloon
- ☐ Empty Water Bottle
- ☐ Funnel
- ☐ 3 Tsp of Baking Soda
- ☐ 1 Cup of Vinegar



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### PROCESS

1. Using the funnel, pour the baking soda into the balloon.
2. Pour the vinegar into the empty water bottle.
3. Carefully attach the balloon to the top of the water bottle.
4. Now, flip the balloon up so that the baking soda is released into the vinegar (you may need to hold onto the balloon so it does not detach from the bottle).
5. Observe your balloon being blown up by this chemical reaction!

### THE SCIENCE

A chemical reaction occurs when you mix different substances or ingredients, to make something new. When mixing vinegar, which is an acid, and baking soda, which is a base, they create carbon dioxide, a gas. The gas is causing the balloon to fill up and lift.

**Vinegar + Baking Soda = Carbon Dioxide**

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