



Magic Balloon Experiment

What you need:

One balloon
Water
Baking soda
Lemon juice from one lemon
Small soda or juice bottle



What to do:

Before you get started, gently stretch your balloon so it's easier to use in the experiment.

Pour one ounce of water into your empty soda bottle. Add 1 teaspoon of the baking soda to the water, place the cap on the bottle, and shake until the baking soda has dissolved.

Now get ready to act quickly (it may help to have your parent be an extra pair of hands for this part). Pour in the juice of one lemon (about 3 tablespoons worth), and quickly put the mouth of the stretched balloon over the mouth of the soda bottle!

What happens:

If you were able to get your balloon on the mouth of the bottle quickly enough, you should have seen your balloon inflate.

How it works:

Baking soda is a base and lemon juice is an acid. When the two are combined, they create carbon dioxide, a gas that escapes from the bottle and fills the balloon.