

# ERUPTIONS & EXPLOSIONS



## MATERIALS

- ¼ to a ½ cup vinegar
- 1-3 teaspoons baking soda
- Food coloring, if desired
- Small tissue
- Small plastic lunch baggie

## DIRECTIONS

1. Find an open area for your experiment. A bathtub or sidewalk works well.
2. Pour ¼ cup of fairly warm water into your bag.
3. Pour ½ cup of vinegar into your bag with the water.
4. Lay out a tissue or paper towel and measure 3 teaspoons of baking soda onto it.
5. Pull the corners of the tissue up to make a little baking soda packet.
6. Partially zip the bag closed but leave a small gap. You'll use this to stuff in the baking soda packet. It'll happen fast, so once everything is set up, quickly put the tissue with the baking soda into the bag and zip the bag completely closed.
7. Set the bag down and watch as it expands, filling up with the gas from the reaction.
8. Experiment with different amounts of vinegar and baking soda to see what works best!

For more fun activities, follow us on social media or visit <https://slco.org/clark-planetarium/-clark-planetarium-classroom/>.

Instructions adapted from: <https://sciencebob.com/the-exploding-lunch-bag/>