



Science Fair Projects

Grades 3 to 5

Making CO₂

Purpose

To create a gas by causing a chemical reaction, and to note some of the properties of CO₂.

Materials

Baking soda, vinegar, measuring cup, measuring spoons, a pill bottle with a push on top, a glass, a baking pan, and a match.

****ONLY use match under ADULT SUPERVISION.**

Experiment

Place the glass in the baking pan. Put two tablespoons of baking soda in a glass. Pour one-third cup vinegar into the glass. The reaction makes CO₂ gas, which causes the bubbles. How strong is CO₂? Place some baking soda in a pill bottle and add vinegar. Quickly place the cap on the bottle and set it on the table. ****DO NOT use a screw-on cap because the experiment won't work.** To make sure that you have produced CO₂, hold a match next to the bubbles. It should go out. ****Why does the flame go out? What is CO₂?**