

Chemistry experiment

Prepared by the Erasmus+ group Bulgaria
from „St. St. Cyril and Methodius”, Smolyan.
Meeting in Italy, Altamura

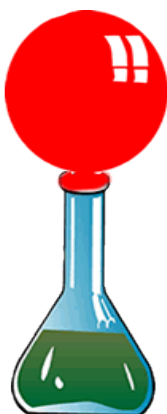


We used kitchen ingredients.

What we need? Balloons, Baking soda, Vinegar, a Bottle or a flask, a Funnel, a spoon

What are the goals? With this experiment we learned about the power of carbon dioxide gas.

Stages in the experiment: First pour vinegar into the bottle. Then take the balloon and with the funnel pour the baking soda into the balloon. Carefully put the balloon over the opening of the top of the bottle. Lift your balloon and let the baking soda fall into the vinegar.



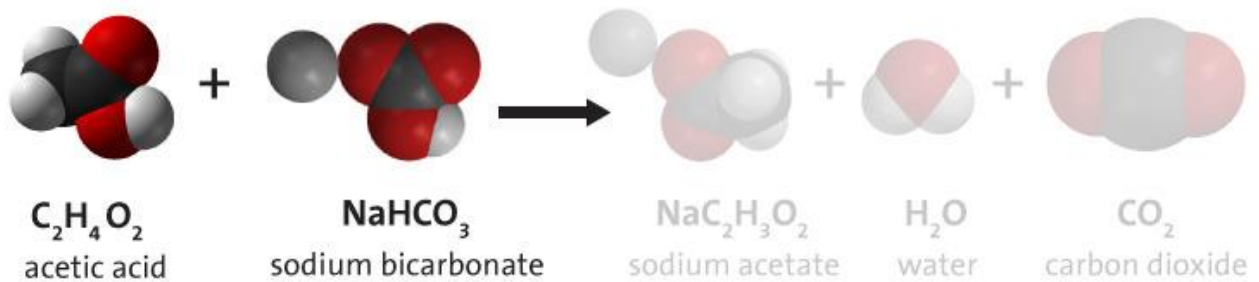


What happens?

When you put the balloon with the baking soda on the top of the bottle, the baking soda interacts with the vinegar. In this reaction is released carbon dioxide, which fills the balloon and it blows up.

Baking Soda + Vinegar -----> Carbon Dioxide

$\text{NaHCO}_3 + \text{CH}_3\text{COOH} \text{ -----} \rightarrow \text{CO}_2 \text{ (gas)} + \text{H}_2\text{O} + \text{CH}_3\text{COONa}$





Link to the video: <http://www.watchknowlearn.org/Video.aspx?VideoID=3258>

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