

Self-Filling Balloons Experiment Activity Plan

| ACTIVITIES, RULES AND EXPLANATIONS | SUPPLIES |
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| <p>Set-Up:</p> <ul style="list-style-type: none">- Pour some vinegar into an empty water bottle- Fill a balloon with a couple spoonfuls of baking soda- Put the lips of the balloon over the opening of the water bottle (make sure the baking soda does not fall into the water bottle!!) | <ul style="list-style-type: none">- Plastic water bottles- Baking soda- Vinegar- Balloons |
| <p>Doing the experiment:</p> <ul style="list-style-type: none">- When ready, lift the balloon up so that the baking soda goes into the water bottle (mixes with vinegar)- Watch the balloons fill up with air <p>Optional: Explain the science behind it</p> <ul style="list-style-type: none">- When baking soda and vinegar mix, it produces carbon dioxide (the same thing as we breathe out)- The balloon is filled with carbon dioxide | |