



Fill Balloons without Helium!

Supplies:

- Balloons
- 2 funnels
- Baking soda
- Vinegar

Directions:

1. Use a funnel to pour vinegar into your bottle. You only need to fill it up 1/3 of the way.
2. With the second funnel, pour baking soda half of the way into the balloon.
3. Carefully without spilling the baking soda, cover the top of the bottle with the end of the balloon.
4. When you're ready, release the baking soda into the bottle and watch what happens.

The mixture of the baking soda and vinegar makes a gas which expands your balloon.

STE(A)M Subject(s):

Science – Chemistry. Using vinegar and baking soda is one of the simplest and most common chemical reactions used safely around children. This is simply another way to showcase a chemical reaction aside from the ever popular “volcano” experiment.

Related Badge(s) or Journey(s):

(B) Home Scientist

Additional Resources:

Chemical Reactions: http://www.ducksters.com/science/chemistry/chemical_reactions.php

Chemical Reaction Experiment:

<http://www.sciencekids.co.nz/experiments/steelwoolvinegar.html>

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