

DIY SCI: Magic Potion

What is it?

When you combine baking soda and vinegar you create bubbles (also known as carbon dioxide gas!). This result is called a chemical reaction, a process in which the molecular structure of the matter is being changed. In this case, the the baking soda powder and the vinegar liquid create the carbon dioxide bubbles.

What you need

- Beaker (or any bottle with a neck)
- Water
- Food coloring
- Baking soda
- Vinegar

How to make it:

1. Pour some water and baking soda into beaker
2. Add food coloring
3. Add a bit of vinegar to create fizz

The more vinegar and baking soda you add, the longer the fizz lasts!

You can try using fruit juice with this experiment too!

1. Add a small amount of baking soda to fruit juice
 - *Examples of juice to use: grape juice and red cabbage juice*
2. Add a splash of vinegar to get the bubbles going

What do you notice?

- If you use fruit juice instead of the, did the foam last longer?
- Was there a difference in color with grape juice vs. red cabbage juice?

