



FIZZY FIREWORKS

Chemistry

This experiment is a twist on the typical baking soda and vinegar reaction that children love! When you mix baking soda (a base) with vinegar (an acid) a chemical reaction occurs that produces salt, water, and carbon dioxide gas. We call this an “Acid-Base” reaction and it is very common in Chemistry! The addition of glitter and food coloring makes this explosive reaction look similar to fireworks.

Materials:

- Plastic Cups
- Spoon
- Glass Bowl or Pan (with edges)
- Vinegar
- Baking Soda
- Glitter
- Food Coloring

Directions:

1. Place your glass bowl/pan on a level surface.
2. To the bottom of the bowl/pan, add food coloring and glitter. The more the better! Cover the bottom and mix around with a spoon.
3. On top of the food coloring and glitter mixture, add a layer of baking soda. Make sure to cover the bottom of the bowl/pan entirely. The layer can be thin.
4. Add vinegar. You can do this with a plastic cup, a spoon, or a dropper.
5. Watch the magic happen!

Note: Adult supervision required! While the individual items here are safe, we don't encourage anyone - including children - to eat or drink this mixture.