DIY Bath Bombs

Bath bombs come in all shapes, colors, and sizes, depending on their ingredients and molds, which make them great for trying at home. Ingredients can range from bath salts, fragrances, colors, glitter, and more!

Materials:

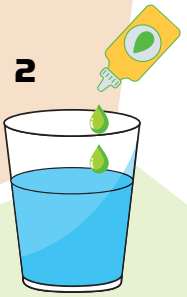
- Bowl
- Spoon
- Cup
- Silicon Mold
- Water
- Teaspoon
- Tablespoon
- Citric Acid
- Cornstarch
- Epsom Salt
- Baking Soda
- Food Coloring

Procedure:

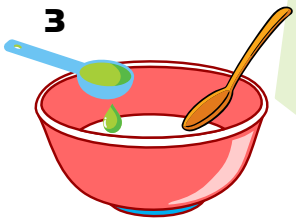
1. Using the tablespoon, measure out the dry ingredients and add them to the bowl. Mix them together with a spoon.

- 1T Citric Acid
- 2T Cornstarch
- 1T Epsom Salt
- 1T Baking Soda

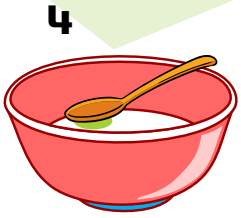
2. In a cup, add water and a couple drops of food coloring.



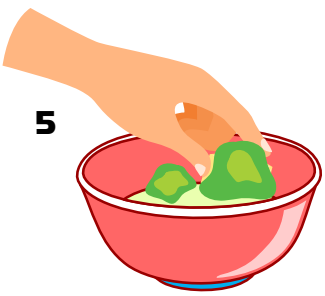
3. Measure out 1 teaspoon of water. Pour the teaspoon of water onto one spot of your dry mixture. What's happening?



4. After observing, quickly use your spoon to press down on the wet spot in your dry mixture to stop the reaction.



5. Use your hands to make sure everything is combined. The mix should still feel powdery, but hold together when you squeeze or pinch it.



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6. Fill your silicon mold with your bath bomb mixture and pack it in tightly. Leave this to dry overnight, or until hardened.

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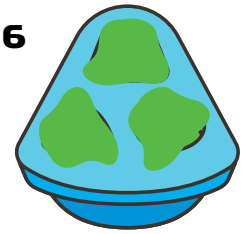

7. Test it out! Carefully pop your bath bomb out of the silicon mold. See if you can get your bath bomb out in one piece. If not, that's okay! Use all of the pieces in your bath to see how it fizzes and bubbles.

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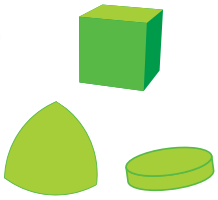
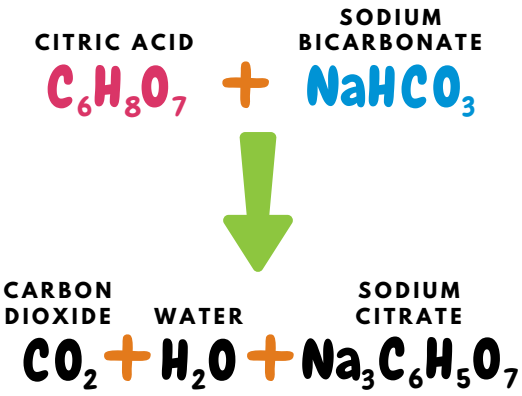
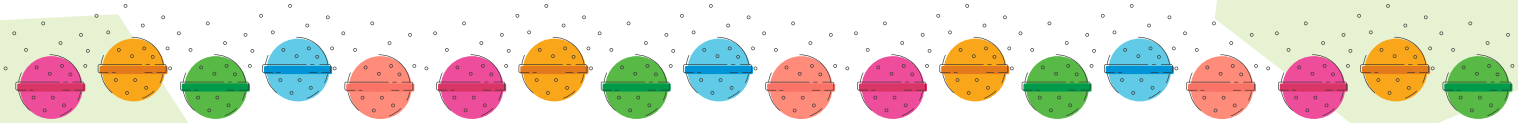


WHAT'S HAPPENING?

Baking soda and citric acid are responsible for the fun fizzing in your bath, as a result of the chemical reaction that happens.



This is an acid-base reaction. When a weak base, like baking soda (sodium bicarbonate **NaHCO3**) meets a weak acid, like citric acid (**C6H8O7**) a gas called carbon dioxide is produced and makes bubbles!



DID YOU KNOW?

A chemist is someone who studies everything about the different chemicals that exist in our world, even bath bombs! If you liked exploring this activity, maybe chemistry is for you!