



Presented by

BASF
We create chemistry

WHAT YOU WILL NEED:

- 2 lemons
- Baking soda
- Food coloring
- A fork or stick
- Dish soap
- A tray
- A cup.
- Safety goggles
- Safety gloves
- Adult supervision



HOW TO MAKE A LEMON VOLCANO

Overview and objective:

Students will discover how to create a lemon “volcano”.

How does it work?

Lemon juice contains citric acid. When mixed with baking soda, a sodium bicarbonate, it reacts to form carbon dioxide and sodium citrate, which causes the liquid to fizz and bubble.

Procedure:

1. Have an adult prep your lemon by cutting off the bottom so it sits flat on the tray. .
2. Turn it over and cut out the core.
3. Juice a second lemon and set it aside.
4. Mash the center of the lemon to bring the juices out, then add a few drops of food coloring and a good squeeze of dish soap.
5. Add a spoonful of the baking soda. The lemon should start to fizz. Stir it around – the more you stir, the more it will foam.

Want to keep the reaction going? Add more baking soda, dish soap, and the reserved lemon juice (try giving the lemon a good squeeze).

Discussion Question:

How would you describe the reaction between citric acid and baking soda?

Visit us on www.Facebook.com/abc11scienceclub and share the video or picture of your RUBBER EGG!

www.abc11.com/scienceclub

