



LEMON VOLCANO

This reaction is full of Vitamin C: CHEMISTRY!

WHAT YOU'LL NEED:

- 2 lemons
- Baking soda
- Craft stick
- Food coloring
- Small bowl
- Baking sheet
- Measuring spoons
- Knife (make sure you have an adult around to help!)



HOW TO DO IT:

1. With an adult, cut the end off of one lemon so that it can stand up on its own.
2. Next, have an adult help by either cutting this lemon in half, or coring it to create a hole in the lemon. You can also try it both ways if you have enough lemons!
3. Place this lemon on the baking sheet.
4. Use the craft stick to squish the lemon a bit and release some of the juice. This will make the chemical reaction even more exciting!
5. Cut the second lemon in half and squeeze out its juice into a small bowl for an even bigger reaction!
6. Add a few drops of food coloring directly to the sliced or cored lemon.
7. With the measuring spoons, put about a teaspoon of baking soda on the lemon and watch what happens! Keep the reaction going by adding juice from the other lemon and more baking soda!
8. This experiment works because the lemon juice is an acid, and when it reacts with the baking soda it forms carbon dioxide, which causes bubbling! You can tinker with the amount of ingredients to change up your reaction, and even add a little dish soap to make an oozing reaction!



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