

ORANGE FIZZ!!!

Who doesn't love the taste of oranges? Or the wild feeling of fizzy soda in their mouth after a refreshing sip? This orange fizz experiment allows you to both enjoy the taste of oranges and the bubbling of liquid without the soda. To perform this experiment, all you need is:

- an orange
- ½ teaspoon of baking soda
- a cutting board
- a knife

Step 1: cut your orange into slices



Step 2: get a $\frac{1}{2}$ teaspoon of baking soda



Step 3: put baking soda on orange and eat! You should feel the orange start to fizz in your mouth!

THE SCIENCE

Citrus food, like oranges, are very acidic. To be “acidic” means to have a pH less than 7. Baking soda is a base, which means that the pH is higher than 7. When you mix acids and bases together, they create carbon dioxide bubbles. Carbon dioxide is the name of the gas that you exhale. Therefore, when you mix the orange with the baking soda, it creates carbon dioxide bubbles in your mouth that feel like fizz!



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