

Make Your Own Fizzy Lemonade

Cool off this summer with a yummy homemade ice cream treat!

What you need:

- Cold Water
- 2 lemons
- 1 teaspoon sugar (more or less to taste)
- 1 teaspoon baking soda
- A plastic or glass cup
- A stirring spoon
- A lemon juicer/press (recommended)
- An adult helper
- A knife for slicing lemons
- Ice (optional)



What to do

1. Have your adult helper cut both lemons in half.
2. Use the lemon juicer to squeeze all of the juice from each lemon into your glass. Taste a few drops of the lemon juice. How would you describe the taste?
3. Add an equal amount of cold water to the lemon juice in your glass. Taste the mixture again. Does it taste different than just the lemon juice? In what way?
4. Carefully add one teaspoon of baking soda. Use your spoon to stir the mixture. What happens when you add baking soda to the lemon juice? What do you see and hear happening in the glass?
5. Use your spoon to stir one teaspoon of sugar into the mixture. Add ice if you want it cold!
6. Taste your concoction! What do you notice about the taste? How does it differ from the lemon juice alone?
7. Extra: Allow your mixture to sit for an hour, then taste it again. How has the taste changed over the course of the hour? Why do you think this change occurred?
8. Please Give Us Feedback!

Source: [Sciencebuddies.org](https://www.sciencebuddies.org)

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