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*Make Your Own Fizzy lime juice and
orange juice*

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Q48



PURPOSE & HYPOTHESIS

My Purpose of doing this project is because I want to find out how we can make a new drink with these ingredients.

. Lime juice

. Sugar

. Baking Soda

. Water

My Hypothesis is that the baking soda will do nothing and as well as the Sugar in any reaction .



RESEARCH

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I went around asking people and told them it was good idea and they said it would be disgusting because of the baking soda and that made me scared to do the experiment. My Background of the drink is that when I was sick at my grandma she would make a drink with lime and baking soda and a little sugar and I sometimes liked it then I got used to it.



MATERIALS

The Materials I used were

.Lime juice

.Sugar

.Water

.Baking soda

.Glass cup

.Straw

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EXPERIMENT

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The Steps to this Experiment was that we had to

1. Add 1 cup of lime juice

2. Add 1 cup of water

3. Add baking soda

4. Added Sugar

5. Added 1 tsp of sugar

6. Added 1 tsp of lime juice

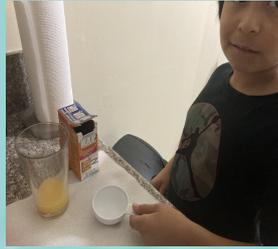
7. Added $\frac{1}{3}$ cup of water

8. Added 1 tsp of sugar



PHOTOS

0.1.



Lime
Juice:



Added
water:



Added sugar:



Added
Baking
Soda:



ANALYSIS

When we started and add the water and lime juice it did nothing but it was very sour and super tart.

When we added the baking soda it inflated with carbonation(bubbles) and it overflowed it tasted Very strong and weird and bitter and the straw was covered in bubbles

Once we added the Sugar it fizzed a little bit less then the baking soda it tasted sweeter but still very weird

When we added 1 tsp of sugar it tasted better but still off

We then added lime juice and it became okay but it was weird for me.

Then we added $\frac{1}{3}$ of water it then became still not great

Then we hit the final product and we added 1 tsp of sugar it was the best so far.

CONCLUSION

In Conclusion, We we decided that the experiment ended up like that because of the baking soda it would always give you after taste that wasn't good. My Hypothesis was not proven but I learned that Lime and Baking soda ,and sugar makes a chemical reaction that was Intresting.



REAL WORLD CONNECTION

The real world connection is that when Baking soda is added to anything that is water or juice it will form Carbonation and it would inflate in bubbles. I found out that baking soda make a lot of thing taste weird.



WORKS CITED

- www.education.com/science-fair/article.make-fizzy-lemonade
- www.youtube.com/google slides tutorial

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