



Fizzy Lemonade

Ingredients:

1 lemon
Water
1 tsp of baking soda
Sugar (to add to taste)

Recipe:

1. Slice lemon into quarters and squeeze juice into cup, add equal parts water.
2. Mix well and taste.
3. Stir in baking soda.
4. Mix well and taste.
5. Add sugar to sweeten.

The Science: What made the lemonade fizzy?

An acid-base chemical reaction occurred when the baking soda was combined with the lemon water, creating a new substance: carbon dioxide! Carbon dioxide is an odorless, colorless gas. When it forms within a liquid (like this experiment) it creates bubbles through a process known as carbonation.

Which ingredient was the acid?

Which ingredient was the base?

How did the taste change when you added the baking soda?

When did the carbon dioxide start to form?

