

Zedua Experiments

Title: Make Lemonade Fizzy Drink

What is acid base reaction?

When an acid and base are placed together they react to neutralize the acid and base properties, producing a salt. The $H(+)$ cation of the acid combines with the $OH(-)$ anion of the base form water. The compound formed by the cation of the base and the anion of the acid is called salt.

Challenge: Can you make Lemonade Fizzy Drink?

Materials Required:

1. Lemon
2. Drinking glass
3. Water
4. 1 teaspoon of baking soda
5. Some sugar to make it sweet

Procedure:

1. Squeeze lemon juice into the glass.
2. Pour in water as much as lemon juice.
3. Add a teaspoon of baking soda.
4. Give the mixture a taste and add in some sugar or lemon juice according to your taste buds.

What's happening?

The mixture you created will go bubbly and taste like a lemonade, soda, fizzy or soft drink. After you add some sugar it might even taste like a lemon flavored soft drink you've bought at a store. The bubbles that form when you add the baking soda to the lemon mixture is carbon dioxide (CO_2). These are the same bubbles you'll find in proper fizzy drinks. The carbon dioxide bubbles formed, was because you created a chemical reaction when you added the lemon (an acid) to the baking soda (a base).



Source: pintrest

www.zcoda.com