

WHAT YOU WILL NEED:

- Coke bottle
- Balloons
- Salt
- Towel
- Safety goggles
- Safety gloves
- Adult supervision

HOW TO CREATE CARBONATION

Overview and objective:

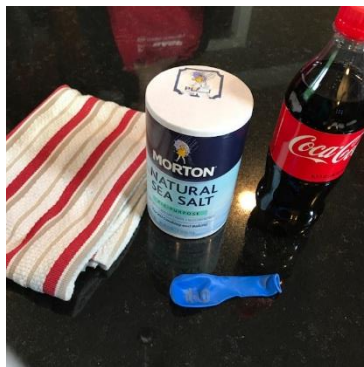
Students will discover what happens when you mix salt and a carbonated beverage.

How does it work?

The unique reaction of salt and coke, called nucleation, is due to the rough surface of a grain of salt. When salt is added to the carbonized soda, the carbon dioxide suddenly has more points to react with water and form carbonic acid.

Procedure:

1. Pour salt into the balloon.
2. Place the balloon over the neck of the soda bottle, making sure the salt doesn't come in contact with the liquid.
3. Once the balloon is on securely, dump the salt in and watch the balloon grow!
4. The salt makes the carbonated drink bubble quickly, filling the balloon.



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