JR-SCIENTISTS

MENTOS GEYSER

This super easy experiment is a thrilling way to learn about chemistry!

SUPPLIES

2 liter Diet Coke
Mentos candy
Index cards
Tape
String

INSTRUCTIONS

STEP 1: Roll up an index card into a tube and tape. (needs to be large enough for the mentos to hold the mentos but still allow them to fall out easily)

STEP 2: Tape the tube to the top of your bottle, but only tape on one side.

STEP 3: Place the other index card under your tube and attach your string to it with tape.

STEP 4: Drop the mentos into the tube.

STEP 5: Now back away with the string in hand. Pull the string which will also pull out the index card, allowing the candy to fall in.

STEP 6: Watch the excitement from a safe, and clean distance!

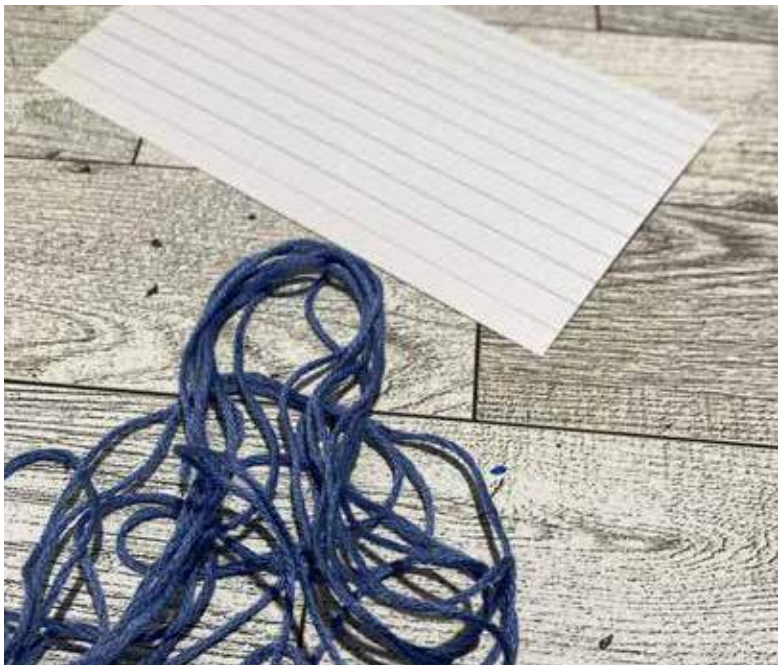
THE SCIENCE

Inside the coke or soda, there is dissolved carbon dioxide gas, making the soda taste fizzy when you drink it. Usually, you can find these gas bubbles coming out of the soda on the sides of the bottle, which is why it becomes flat after a while.

Adding Mentos speeds up this process because more bubbles form on the Mentos's surface than on the bottle's side and push the liquid up. This is an example of a change of state of matter, the carbon dioxide dissolved in the Coke moves to a gaseous state.


Diet
oke
mentos


mentos




Coke


Coke


Coke


Coke

Mentos Geyser Observations

Use this worksheet to process and evaluate your work.

RECORD

What happened when you added the candy to the soda?

What is special about the candy that makes it erupt?

Is this a physical or chemical reaction?

Would this work with water? Try it to find out!