

MENTOS SODA

FOUNTAIN Time: 5 minutes

Skill Level: Medium Did you know that candy can cause an eruption? To see how,

the Mentos fall into the Coke.

Then get out of the way!

Soda pop is full of carbon dioxide

bubbles of carbon dioxide form on

the surface of the candy. So many

the soda right out of the bottle. Why use Mentos and Diet

Mentos creates lots of places for

bubbles to form. As they form,

more carbon dioxide turns into

gas and makes the bubbles bigger

More gas is released. Mentos also

contain gum arabic, a surfactant,

which decreases surface tension

in the soda, so that bigger bubbles

can grow. Diet Coke also contains

surfactants.

Coke? The rough surface of

bubbles form so fast that they push

gas. When you drop in Mentos,

What's happening:

try this. This experiment can get messy, so make the fountain

Andrews McMeel KIDS

rock candy

CRYSTALS Time: About 1 week Skill Level: Get a grown-up

Rock candy is made from sugar crystals. Here's how you can make sugar crystals at home

What you need:

Table sugar

Water Small microwave-safe bowl

Microwave String and a pencil (optional)

What to do:

the bowl.



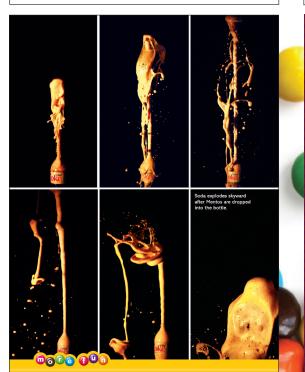
watch for crystals. What's happening:

When table sugar (sucrose) dissolves in water, the sucrose molecules separate and mix with the water. As the water evaporates, the sucrose molecules get closer to each other, and lock together to form crystals.

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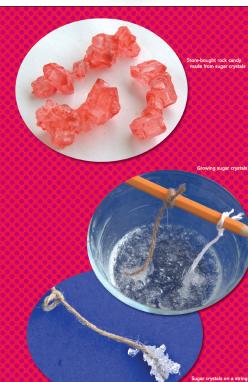


with 1 tablespoon of water in 2 Microwave for 15 to 30 seconds, or until the sugar dissolves. (Caution: hot!)



Try dropping other kinds of candy in soda. Which kinds make the most bubbles? Do any work as well as Mentos?

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BLOW IT UP felt it into RU PUDDLES

Optional: Tie a short piece of

2-liter bottle of Diet Coke What to do: Cut the toilet paper tube lengthwise, cut off a 1-inchlong strip, and then wrap

outside, and wear old clothes.

Package of mint or fruit Mentos

What you need:

Toilet paper tube

the tube around the Mentos package. When you can easily slide the Mentos in and out, tape the sides together. Open the Coke bottle and the

Mentos package. Fill the cardboard tube with Mentos, Block the bottom with the cardboard strip.

4 Hold the tube over the Coke bottle opening. When you're ready, remove the strip and let

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