

# Erupting Sodas



Have you ever seen the Diet Coke and Mentos experiment and wondered what makes the reaction work?  
Do you think you would get the same results with different sodas?

## Materials:

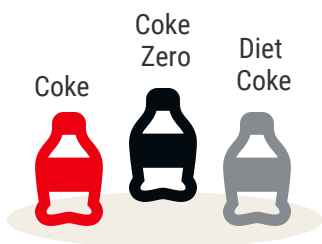
- Mentos
- Two liter bottles of various types of soda (Coke, Diet Coke, Coke Zero)
- An outdoor area
- Eye protection (safety goggles or glasses)
- Video camera with either a tripod or a helper to take the images

1



[Watch a video of the original experiment here.](#)

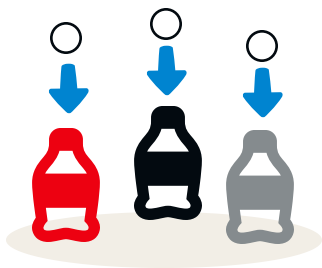
2



Set up your experiment:

- Spread out the different soda bottles.
- Set up a chart to record your results.
- Set up your video recording device.

3



Drop in the mentos and record your results:

- How quickly did the reaction start to happen, and how quickly did it stop?
- About how high did the eruption go?
- How much cola is left in the bottle?

## Extension

1. The carbonation is what's supposed to trigger the reaction: try this experiment with other types of soda or carbonated water. What happens?
2. Compare the results of using fruit-flavored and mint-flavored Mentos.
3. What happens when you add other ingredients to the soda: salt, rock salt, sugar, baking soda, peanuts? Compare the results.