

Capturing gas expansion

Materials:

Pop Rocks
Balloons
Funnel
12-16 oz. bottles of soda

Instructions:

Start by using the funnel to empty the entire contents of one bag of Pop Rocks into your balloon.

Place the balloon over the mouth of the bottle of soda. Be careful that you don't drop any of the Pop Rocks into the liquid before you're ready!

Ready? Grab the top of the balloon and dump the Pop Rocks into the soda. Make sure to observe what's happening inside the soda as the liquid reacts with the candies.

What causes the balloon to inflate?

Additional variations:

Try the experiment again with different kinds of soda and/or different flavors of Pop Rocks. Does the balloon react the same way each time?

Test whether the temperature of the soda makes a difference in the reaction.

