CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY

Name(s)
Raveena K. Mahal

Project Number
J0621

Project Title
CO(2) Wonders

Abstract

Objectives/Goals

Have you ever wondered why Alka-Seltzer Original tablets produce those little bubbles when they#re dropped into water? Well, those little bubbles are called carbon dioxide and the purpose of this experiment was to find out if increasing the amount of Alka-Seltzer Original tablets would also increase how much carbon dioxide is being produced. In my research, I found out that the active ingredient in Alka-Seltzer Original is sodium bicarbonate. It produces carbon dioxide when added to the water. My hypothesis was that increasing the amount of tablets would increase how much carbon dioxide is being produced. In my experiment I first made the apparatus with a graduated cylinder and a cup. Then, I dropped one Alka-Seltzer Original tablet into the cup and measured the amount of carbon dioxide produced with the graduated cylinder. Next, I repeated this process, while increasing the amount of tablets. Finally, I concluded that my hypothesis was correct; increasing the amount of Alka-Seltzer Original tablets would increase the amount of carbon dioxide being produced.

Summary Statement

In this project, I learned that more carbon dioxide wsa being produced as I increased the amount of Alka-Seltzer Original tablets.

Help Received

Dad helped set up tubing for apparatus. Mom took me to store to buy supplies.