CALIFORNIA STATE SCIENCE FAIR
2016 PROJECT SUMMARY

Name(s)
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Project Number
J1915

Project Title
Solubility of Sugar Cubes in Soft Drinks: A Measure of Saturation

Abstract

Objectives/Goals
The objective of the experiment is to demonstrate that many of the commercially available soft drinks have high sugar content by trying to dissolve an increasing number of sugar cubes.

Methods/Materials
Soft drinks like coffee, sprite, coke, diet coke, lemonade, and seven up. Sugar cubes, measuring cup, beakers, and stirrer. Recording devices such as camera, and stationary.

Results
The above listed soft drinks were tested for solubility of increasing number of sugar cubes. Some soft drinks dissolved the sugar cubes at a faster rate while the others showed slow down.

Conclusions/Discussion
This experiment demonstrated that certain soft drinks had a very low rate of solubility of sugar cubes. Evidently these drinks had started off with a high sugar content. Consuming such drinks in large quantities poses health risk.

Summary Statement
As measured by the time it took to dissolve sugar cubes, I showed that certain soft drinks had a high concentration of sugar.

Help Received
I designed and performed the experiment by myself with some advice from my science teacher Mrs. Heather Brown.