CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY

Name(s)
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Project Number
J0504

Project Title
Vitamin C vs. The Elements

Abstract

Objectives/Goals
There are many ways to store your orange juice. When storing your orange juice you want to make sure that it stays fresh and preserves the Vitamin C content. You want to store your orange juice the way that is healthiest for you so that you don#t get Vitamin C deficiency. The researcher is doing this project so you know the best way to store your orange juice to preserve Vitamin C.

Methods/Materials
The researcher will be exposing the orange juice to different environmental elements. The types of conditions the researcher will test on the orange juice are boiling, freezing, sitting at room temperature exposed to air, and exposing it to light. The researcher will perform my experiments by making a Vitamin C indicator solution. The researcher will test each condition sample and see if the Vitamin C content decreases. The researcher will add the indicator solution to each sample of orange juice and the researcher will record my results.

Results
After the researcher performed the experiment, The researcher found that the hypothesis, #If storing Orange Juice properly provides your body with more Vitamin C, then storing properly in the refrigerator is better than other storing techniques.# to be correct.

Conclusions/Discussion
These results told the researcher that drinking fresh squeezed refrigerated orange juice provides you body with the most Vitamin C.

Summary Statement
The researcher tested to see if exposing orange juice to different environmental elements will change the Vitamin C content.

Help Received
Mom helped with testing samples