CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY

Name(s)
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Project Number
J1439

Project Title
Determining the Toxicity Level of Aromatic Substances

Abstract

Objectives/Goals
My project was to determine which common household aromatic substance is the most toxic.

Methods/Materials
I tested ten different common household products that have a strong odor. I then placed 8 fluid ounces of each product into individual sterile plastic cups. I covered the cups with saran wrap and poked holes in them. Next, I placed one cricket into a sealed environment with the household product. I then recorded the time for the cricket to die. I repeated the process ten times for each test variable. At no time did the crickets come into direct contact with the household product.

Results
The results of my experiment showed that "Orange Spray" had the most toxic odor, and "Pine Sol" had the least toxic odor.

Conclusions/Discussion
When using common household products that have a strong odor it would be wise to use them in a well ventilated area.

Summary Statement
My project is to determine which common household aromatic substance is the most harmful to people.

Help Received
Father helped put display board together. My teacher helped with revising rough drafts.