



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

Name(s) Roejandel L. Martin	Project Number J0513
Project Title Smoke Buster	
Abstract Objectives/Goals My goal was to determine if vinegar (acetic acid) can eliminate smoke. Methods/Materials I used a neutralization reaction of ash by the addition of vinegar. This neutralization of smoke was accomplished by spraying vinegar into an improvised smoke chamber. Results Chemical and physical changes were observed in the neutralization of ash by the addition of vinegar. Smoke disappeared after 2 minutes of spraying small quantities into the smoke chamber. Conclusions/Discussion Vinegar (acetic acid) can eliminate smoke through an acid-base reaction.	
Summary Statement This project tests vinegar (acetic acid) in an acid -base reaction to eliminate smoke.	
Help Received father helped construct chamber.	