



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Avikar S. Saini	Project Number J0531
Project Title When Salt Meets Ice	
Objectives/Goals My objective for this project is to learn why salt melts ice and how it melts it.	
Abstract	
Methods/Materials For my project I need: Excess, NaCl, KCl, AlCl ₃ , Ice 18 Clear Bowls and Glasses 6 Spoons Mortar Gloves	
Results My results showed that the NaCl melted the ice the fastest followed by AlCl ₃ , KCl, Chalk, Sugar, and finally standard.	
Conclusions/Discussion My hypothesis proved partially right. I was correct about the salts melting the ice at about the same rate but I was incorrect about the salt and sugar. I went back and did some research on my project and I learned that chalk has some salt in it and that sugar is a covalent bond like water. A covalent bond shares electrons instead of transferring them like ionic bonds.	
Summary Statement My project is about how and why salt melts ice.	
Help Received Dad, Sisters, and Mother helped make results more accurate.	