



**CALIFORNIA STATE SCIENCE FAIR
2006 PROJECT SUMMARY**

Name(s) Thomas A. Parque	Project Number J1531
Project Title Just Cool It!	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective was to determine how quickly a carbonated soft drink at room temperature could be cooled to an optimum drinking temperature without diluting the liquid with ice.</p> <p>Methods/Materials Two trials were conducted with the same brand of carbonated soft drink. A can of soft drink was placed in four different preparations, cubed ice, crushed ice, crushed ice with water, and crushed ice with water and salt. The time it took for each can of soft drink to reach the optimum temperature of 7 degrees Celsius was timed and recorded.</p> <p>Results In both trials, the soft drink can placed in the crushed ice with water and salt cool significantly faster than the other three preparations.</p> <p>Conclusions/Discussion If a person does not like ice in their soft drink, they can quickly cool a single can of soft drink to an optimum temperature in 2.5 minutes using crushed ice, tap water, and table salt. The liquid in the can is not diluted but the temperature is lowered by process of conduction.</p>	
Summary Statement How to quickly cool a single can of soft drink without diluting it with ice.	
Help Received Mother helped me type the report and taught me how to make charts and graphs. Ms. Patricia Krupa, science teacher at Herlong High School, allow me to borrow the necessary lab equipment.	