



CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY

Name(s) Jerrica N. Cox	Project Number 28430				
Project Title Which Form of Insulation Preserves Thermal Energy?					
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective is to determine which cup preserves thermal energy the best.</p> <p>Methods/Materials</p> <p>Methods:</p> <ol style="list-style-type: none">1. Water is heated to 100 degrees Celsius2. Cup is filled with water.3. Temperature is recorded every 60 seconds for 600 seconds. <p>Materials:</p> <table><tr><td>Plastic</td><td>Styrofoam</td></tr><tr><td>Ceramic</td><td>Glass</td></tr></table> <p>Results My highest average for which cup preserves thermal energy was styrofoam. Out of the four cups my lowest average was glass.</p> <p>Conclusions/Discussion Out of the glass, plastic, and ceramic I concluded that styrofoam cups are the best insulations to preserve thermal energy. Out of those four cups I also concluded that glass would drop the temperature of the water the most.</p>		Plastic	Styrofoam	Ceramic	Glass
Plastic	Styrofoam				
Ceramic	Glass				
Summary Statement My project was to determine which cup would keep the water the warmest.					
Help Received					