



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Kenna R. Sandberg	Project Number 28271
Project Title Freezing Oranges	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective is to learn the effects of an orange when it freezes in a 28 degree freezer.</p> <p>Methods/Materials Oranges; Juicer; Knife; pH strips; Ruler; Measuring cup</p> <p>Results The pH never changed. The highest amount of juice collected was an average of 100 milligrams. The lowest amount of juice collected was an average of 80 milligrams. The peel thickness ranged in an average of 0.56 to 0.74 in millimeters.</p> <p>Conclusions/Discussion After completing my project I found that the juice was a little increase. I also found that the peel thickness was that freezing temperatures do not effect the peel and how it freezes, i found that the pH was always the same.</p>	
Summary Statement My project was about oranges being frozen in a 28 degree freezer and the effects.	
Help Received Mother helped display board; Science teacher edited reports.	