



**CALIFORNIA STATE SCIENCE FAIR  
2011 PROJECT SUMMARY**

<b>Name(s)</b> <b>Theron R. Mann</b>	<b>Project Number</b> <b>J0807</b>
<b>Project Title</b> <b>Erosion on Rocks</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> To test the effects that temperature changes have at contributing to the erosion of rocks.</p> <p><b>Methods/Materials</b> 5 pairs of rocks. One of each pair will be frozen and then boiled several times to study any changes that may occur and then compared to the rock that was not subjected to the repeated freezing and boiling.</p> <p><b>Results</b> Two of the rocks showed no change at all. Two of the rocks showed small changes, such as widening holes and cracks. One rock broke into several pieces.</p> <p><b>Conclusions/Discussion</b> Changes in temperature do cause some rocks to erode more quickly than others. It depends on the exact kind of rocks tested to see how the changes in temperature affect them.</p>	
<b>Summary Statement</b> Testing rocks with drastic temperature changes to study how they respond.	
<b>Help Received</b> Mother helped type results.	