

CALIFORNIA STATE SCIENCE FAIR 2013 PROJECT SUMMARY

Name(s)	Project Number
Oliver N. Hill	J1308
Project Title Surface Tension: When Does It Break?	
Abstract	
My objectives/Goals My objective was to test if temperature and dissolved molecul surface tension of water. I believe the lower the temperature o will be. I believe that baking soda will increase the surface ten surface tension.	es will have an effect on breaking the f the water, the higher the surface tension asion and powdered detergent will lower the
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Results All of the 50 degree water experiments had higher surface tense experiments. My highest average result was 13.393 grams to be water and no dissolved molecules. My lowest average result we with 100 degree water and powdered detergent.	sions than the 100 and 150 degree water break the surface tension with 50 degree was 4.906 grams to break the surface tension
I learned that if you put sugar, salt, powdered detergent or bak be lower. If you have a lower temperature of water, the surface	ing soda in water, the surface tension will e tension will be higher.
Summary Statement	
My project tests the effects of temperature and dissolved mole water.	cules on breaking the surface tension of
Help Received Mom helped with research and grammar.	