



**CALIFORNIA STATE SCIENCE FAIR  
2006 PROJECT SUMMARY**

<b>Name(s)</b> Steven D. Brewster	<b>Project Number</b> <b>S1303</b>
<b>Project Title</b> <b>Alternate Light Rays on Micro-Organisms</b>	
<b>Objectives/Goals</b> The purpose of this project was to determine if an alternate light source would yield a direct effect in the micro-organisms, Euglena and Pelomyxa Carolinensis. This was determined by exposing samples of the two to four different types of lights, Red, Blue, Green, and U.V. The samples were exposed in one hour intervals followed by a one hour observation period, the samples were observed using a stereoscope and a microscope. Their size, shape, and the total amount were recorded and used as data. The results of these exposures were surprisingly different from my original expectations. The two samples of Euglena exposed to the Red and Blue light sources increased by the tens of thousands; however the samples exposed to the U.V. light source diminished.	
<b>Abstract</b> To determine whether or not alternate light rays will alter micro-organisms in any manner.	
<b>Summary Statement</b> Advice given by Mrs. Stoebner, used lab equipment at Ridgeview High School	
<b>Help Received</b>	