

## CALIFORNIA STATE SCIENCE FAIR 2006 PROJECT SUMMARY

Name(s)	Project Number	
Daphne Liang	S1309	
Project Title The Effects of Different Colored Lights on A	Algal Oxygen Production	
Objectives/Cools Abstract		
My objective was to determine whether the color of light has any production. I believed that if the color of light matched the class degrade its rate of photosynthesis, thus producing less oxygen. <b>Methods/Materials</b> Two types of algae were used to perform this experiment. Batrac Aureus, a green algae, were both cultured under red and green li conditions. After three hours, I used a Dissolved Oxygen Kit to o released by the algae during photosynthesis. <b>Results</b> The algae was more prolific when the classification color differe under. When the colors matched, not as much oxygen was produ <b>Conclusions/Discussion</b> My conclusion is that when the color of light does not match the oxygen would be produced during photosynthesis. The reason for types of algae contain. Red algae would simply reflect the energy energy produced by the green light.	y effects on an algae's growth and oxygen ification color of the algae, then it would chospermum, a red algae, and Volvox ight under the same temperature determine the amount of oxygen that was ed from the color of light it was cultured uced. e classification color of the algae, more or this lies in the pigments that certain reflects red wavelengths and absorbs blue gy released by the red light and absorb the	
<b>Summary Statement</b> My project demonstrates whether the color of light would affect	the amount of oxygen released by the	