



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

Name(s) Hana Lemseffer	Project Number J0415
Project Title Today without Chlorophyll	
Abstract Objectives/Goals The objective of my project was to determine which plant contains the most chlorophyll. I believe that Pine leaf contains the most chlorophyll and Banana tree leaf contains the least. Methods/Materials 150 grams of seven different types of leaves (Oak, Citrus, Ivy, Eucalyptus, Pine, Couch Grass, and Banana tree leafs) were each grinded to a pulp and washed out with 80 grams of 70% rubbing alcohol to extract the chlorophyll. The weight of the dry residue was calculated and compared between each result from the different leaves. Results Each of the 15 samples of the Eucalyptus leaves was found to be significantly greater than any of the other leaves, while the pine leaves contained the least amount of chlorophyll. Conclusions/Discussion My conclusion is, since Eucalyptus leaves were found to contain the most chlorophyll out of the studied leaves; I recommend that people plant Eucalyptus trees in their yards and around their cities in order to counter-balance the growing problems of pollution.	
Summary Statement I measured the amount of chlorophyll contained in seven different types of leaves.	
Help Received My parents helped me retrieve my leaves.	