

CALIFORNIA STATE SCIENCE FAIR 2003 PROJECT SUMMARY

Name(s)	Project Number
Maya Griffin; Amanda McNutt	J1611
Project Title	
Transpiration	
Dbjectives/Goals Abstract	
We tested whether different light conditions, fluorescent light, fluore light affects how far blue colored water rises up celery xylem.	escent light with a green filter, and no
Aethods/Materials	
We created a green filter by cutting the end of a 16-oz soda bottle and times. We then placed nine jars in each of the three light conditions f	
took data on all twenty-seven jars by using a scalpel to expose the ve	
centimeters, how high the blue water went up the celery xylem.	
Results Out results proved that the nine jars under the fluorescent light transp	pired the most, the blue water
traveling up an average of 25.09cm. The nine jars under the fluoresce	ent light with a green filter had its
blue water rise up an average of 13.36cm, almost the same as the nin average of 13.27cm.	he jars in the cabinet, which rose an
Conclusions/Discussion	
We conclude that the amount of light absorbed by the leaves affects and transpires.	how much a plants photosynthesizes
and transpires.	
ummary Statement	
We tested whether different light conditions, fluorescent light, fluore light affects how far blue colored water rises up celery xylem.	escent light with a green filter, and no
Help Received	
Our science teachers helped us edit and graph our data. Some of our board also.	friends helped paste things on the