

CALIFORNIA STATE SCIENCE FAIR 2002 PROJECT SUMMARY

Name(s)	Project Number	
Olivia R. Jackson	J1317	
Project Title Algal Affairs		
Algai Allali s		
Objectives/Goals Abstract		
The objective of my experiment was to determine whether heat h hypothesized that warmer temperatures would cause more algae samples. Methods/Materials		
I did this by filling eight buckets with a liter of saltwater and eigh freshwater and four saltwater buckets were placed inside on heat Every day for seven days, I measured the temperature and the am photographs. To measure the amount of algae, I used a multimete Results	ing pads, and the rest were kept outside. nount of algae in each bucket, and took	
I found that the highest growth rates occurred in warmer tempera temperatures for saltwater algae. Conclusions/Discussion	tures for freshwater algae and in colder	
My hypothesis was proven partially correct, algae in freshwater s environment. Saltwater algae, however, grew better in colder tem caused this difference is the fact that lakes are constantly changin would be more adapted to varying temperature. Oceans, though, same temperature all of the time. Algae from this source wouldn'	nperatures. One thing that could have ig temperatures, so freshwater algae because of there size, have almost the	
Summary Statement		
My project is about the effects of temperature on algal growth rat	tes in freshwater and saltwater samples.	
Help Received		
My dad, mom, or little brother held the flashlight for me each nig the experiment, and I consulted George I. Matsumoto and Johnat		