



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Olivia D.K. Sanchez	Project Number J1226
Project Title Bacteria Growth in Water	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective for my experiment was which water sample has the most bacteria: water from the Las Palmas swimming pool, rain water, water from a local pond, or Las Palmas recycled water.</p> <p>Methods/Materials My method for this project was to gather the water samples from the different sources, then grow the bacteria in agar filled Petri dishes for 7 days in a fairly warm and dark place.</p> <p>Results The results for my experiment were: Pond water had the most bacteria, rain water had the second most, and pool water came in third. The recycled water showed no sign of bacteria growth, as well as the control sample (distilled water.)</p> <p>Conclusions/Discussion The conclusion for my experiment was that pond water had the most bacteria. This means that my hypothesis supports my conclusion. I hypothesized that pond water would have the most bacteria because of all the potential bacteria sources such as: animal feces, animal and plant decomposition, garbage and waste.</p>	
Summary Statement My project was to measure the amount of bacteria growth in different residential water sources.	
Help Received Mother helped me gather my water samples; Mother helped me dispose of the bacteria; Dad helped me type my report.	