



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Upinderpreet K. Gill	Project Number J1807
Project Title Survivor: Episode of Oral Bacteria	
Abstract Objectives/Goals The objectives and goals for my Science Fair Project are to obtain the data that allows me to figure out which antibiotic agent works the best and the strongest. Today, having oral bacteria and other diseases, such as tooth decay, is a problem for many people. I would like to help those people by obtaining my results and going around different classrooms in my school to help those children learn the difference between these items. Methods/Materials For my project I needed certain materials some of which include Nutrient Agar, Act Mouthwash, and different tree branches which are used in other countries and America for oral purposes. For my experiment, I created agar on petri dishes as a surface for the bacteria to grow. Next, I took oral bacteria from my mouth and placed it on the agar. Then, I kept the petri dishes in a warm place, so the bacteria could grow. After two days, I took observations and added antibacterial agents to the bacteria by using filter paper and the sticks. After two minutes I cleared the antibacterial agent and kept the petri dishes in the same place and temperature as before. Then, after another two days, I took out the bacteria and made observations, again, so I could compare my results with and without the antibacterial agents. I repeated my project three times for a total of three trials. Results Project Not Yet Completed From County Abstract In my results, I found that all of the antibacterial agents did get rid of the bacteria. The only one that still had the bacteria left was the control, no bacterial agent, but not much more bacteria had grown after that either. Conclusions/Discussion Project Not Yet Completed From County Abstract In conclusion, my hypothesis was partially correct because the Act Mouthwash did get rid of the bacteria, but it was not the only one that did that. I hope to share this information with many people because having tooth decay is just as important as anything else and nowadays people do pay much attention to things such as this.	
Summary Statement My project is about the effect of natural antibacterial agents on oral bacteria.	
Help Received Mrs. Oliver helped write procedure and gather materials; Mother helped gather materials, supervise, and construct display board	