



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Nadia S. Ashour	Project Number J1702
Project Title Bubbles, Bubbles, Away!	
Abstract Objectives/Goals My objective was to see if sparkling water makes teeth shrink as much as soda does. Methods/Materials I used 75 teeth which were collected by dentists to conduct my experiment. I put the teeth in small cups containing either tap water, sparkling water, Coke, Coke Zero, or 7-Up. I measured the teeth with a caliper to see how wide the teeth were, and a dental pick to measure the depth of any holes in the teeth. I measured the teeth every day for 14 days, and I changed the five liquids every other day. Results After measuring the teeth for 14 days, I found that Coke and Coke Zero had worse effects on teeth than sparkling water did, but sparkling water had worse effects on teeth than 7-Up did. Conclusions/Discussion My hypothesis that sparkling water will make teeth shrink, but not as much as soda does was partially correct because, as shown in my results, sparkling water does not erode teeth as much as Coke or Coke Zero, but it has worse effects on teeth than 7-Up has on teeth.	
Summary Statement The effects of sparkling water on teeth versus the effects of different types of sodas on teeth.	
Help Received My mother bought my supplies and got the teeth from dentists. Dentists gave me teeth to use in my experiment.	