



**CALIFORNIA STATE SCIENCE FAIR  
2015 PROJECT SUMMARY**

<b>Name(s)</b> <b>Juliana H. Rosen</b>	<b>Project Number</b>  35215
<b>Project Title</b> <b>Open Wide!</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The goal of this project was to find out which toothpaste protected your teeth the most.</p> <p><b>Methods/Materials</b> Egg shells were used to simulate teeth and vinegar was used to represent acids that are eaten. I tested to see which toothpaste protected teeth the most. To do this, I put an egg brushed with Colgate, Aquafresh or Crest toothpaste in a cup of vinegar. After 9 hours, I took the eggs out, rinsed them, and drained the insides out of the eggs. Next, I let the egg shells dry and then weighed the egg shells.</p> <p><b>Results</b> The egg shell from the egg covered with Crest toothpaste weighed more than Aquafresh and Colgate covered egg shells.</p> <p><b>Conclusions/Discussion</b> Crest toothpaste protects the egg shell better than the other toothpastes because it weighed more which means the acids didn't eat away at the egg shell as much.</p>	
<b>Summary Statement</b> The experiment tested how toothpaste protects your teeth.	
<b>Help Received</b> My parents helped me gather supplies for my experiment and my poster board.	