



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

<b>Name(s)</b> <b>Claire Y. Eisenberg</b>	<b>Project Number</b>  22063
<b>Project Title</b> <b>A Thirst For Spills: Tests of Paper Towel Fiber Structures</b>	
<b>Objectives/Goals</b> The goal of my project was to determine which paper towel fiber structure was most absorbent. I hypothesized that the fiber structure of the Brawny Prestige Prints paper towels would be the most absorbent. <b>Abstract</b> <b>Methods/Materials</b> Five brands of paper towels were viewed through a 250x microscope, taken pictures of, weighed, and analyzed. The paper towels were placed on a 1/4 cup spill of orange soda for five seconds each, and then weighed directly after that on a gram scale. The original weight was subtracted from the new weight x end up with the amount absorbed. Each brand was tested five times, and the official results were the average of the five tests. <b>Results</b> The Kleenex Viva paper towels consistently absorbed the most orange soda throughout all five trials, and the Scott Towels absorbed the least, proving my hypothesis wrong. <b>Conclusions/Discussion</b> My conclusion is that paper towels with more air pockets in their fiber structure will pick up more of a spill than paper towels with thicker fiber strands.	
<b>Summary Statement</b> My project was testing different brands of paper towels in order to discover which fiber structure is most absorbent.	
<b>Help Received</b> Mrs. Glombotski helped me get in touch with people at SDSU in order to use a microscope there, Mrs. Wallin provided me with a gram scale, and my mom provided the other necessary materials for my project.	