



**CALIFORNIA STATE SCIENCE FAIR  
2010 PROJECT SUMMARY**

<b>Name(s)</b> Caitlinn A. Despot	<b>Project Number</b> <b>J2109</b>
<b>Project Title</b> Tylenol Brand vs. Store Brand Acetaminophen	
<b>Abstract</b> <b>Objectives/Goals</b> My project was to determine if name brand acetaminophen tablets, Tylenol, dissolve at a quicker rate than generic tablets. I believe name brand will dissolve faster and decrease uptake time. <b>Methods/Materials</b> Three types of tablets, name brand and generic, were selected. A simulated stomach acid was created from hydrochloric acid. The acid was heated to 98.6 degrees and the tablets were placed in the solution. A magnetic stirrer was used to simulate digestive actions in the stomach. The tablets were timed until they dissolved completely. <b>Results</b> The name brand tablets dissolved quicker in all tests. Further, the regular tablets dissolved quicker than the gel type tablets. <b>Conclusions/Discussion</b> My conclusion is that for the best results and quickest pain relief name brand tablets would be the best choice.	
<b>Summary Statement</b> My project was designed to determine if brand name tablets dissolve and go to work faster than generic tablets.	
<b>Help Received</b> My Mother, who is a nurse, mixed to the solution of acid and helped me put my board together.	