



**CALIFORNIA STATE SCIENCE FAIR  
2013 PROJECT SUMMARY**

<b>Name(s)</b> <b>Therese M. Azevedo</b>	<b>Project Number</b> <b>J2103</b>
<b>Project Title</b> <b>The Effect of Flavor on the Dissolving Rate of Mints</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My science fair project is about the effect of flavor on the dissolving rate of various mints. I was trying to find out which flavor dissolves the quickest. My hypothesis is peppermint would dissolve the fastest. <b>Methods/Materials</b> I performed this experiment by getting a water bath and putting it to 37 C. Next I marked all my weigh boats with the appropriate flavor. I took the first set of 15 weigh boats and placed 3 Life Savers of the same flavor in each of the weigh boats. I then placed them in the water bath and recorded the time. I continued checking on them and then recorded the time as they finished dissolving. I emptied and cleaned the water bath. I repeated the same procedure for each flavor. <b>Results</b> My results were: the peppermint dissolved at 43 minutes, Wint O Green 51 minutes, Spearmint 55 minutes, Orange 57 minutes, Sugar Free Wint O Green 77 minutes, and Sugar Free Pep O Mint 78 minutes. <b>Conclusions/Discussion</b> My conclusion is that my hypothesis is correct since the peppermint flavor dissolved the quickest. The results are useful in everyday life because it makes you look more closely of what ingredients are in the mints.	
<b>Summary Statement</b> My project is about the effect of mint flavor on dissolving time.	
<b>Help Received</b>	