



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Jamin Sangster; Emily Stewart	Project Number J0515
Project Title The Effects of Dry Ice on Diverse Liquids	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The goal of this experiment was to observe the amount of carbon dioxide vapor released through sublimation by submersing dry ice in diverse liquids.</p> <p>Methods/Materials After obtaining materials, 12 grams of dry ice was removed from a cooler and submersed in a liquid. The carbon dioxide vapor was then measured in inches. This was repeated three times for each liquid. Data was calculated subsequently.</p> <p>Results Milk was found to have the highest vapor output, followed by water. Although this did not prove our hypothesis that water would produce the most vapor, it did prove our conjecture that #pure# liquids would produce the most vapor.</p> <p>Conclusions/Discussion It can be concluded that #pure# liquids produce more carbon dioxide vapor than mixed liquids. This may be because mixed liquids sometimes contain solid ingredients that will not react with dry ice. Our findings show that it is better to use milk as a reactant in a dry ice reaction than water (a more commonly used reactant) to obtain a larger reaction.</p>	
Summary Statement It is about putting Dry Ice in a few different liquids to find out which one produces the most vapor.	
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