



**CALIFORNIA STATE SCIENCE FAIR  
2008 PROJECT SUMMARY**

<b>Name(s)</b> <b>David H. Doan</b>	<b>Project Number</b> <b>J0702</b>
<b>Project Title</b> <b>Vanishing Water: Science or Mystery?</b>	
<b>Abstract</b> <b>Objectives/Goals</b> The objective was to see if wind, air temperature, humidity, surface area would effect evaporation in different ways. <b>Methods/Materials</b> For surface area, first measure 200 milliliters of water into a graduated cylinder. Second pour the water into a 8 by 8 container and 4 by 4 container. Thrid place containers in a box. Fourth record and observe containers every 15 minutes For air temperature, first measure 200 milliliters into a graduated cylinder. Second put the 200 mililiters in a two 4 by 4 containers. Third place containers in the same box used for surface area. Fourth divide the box with a piece of cardboard. Fifth place heatlamp above 1 side of the box. Fifth record and observe containers every 15 minutes For humidity, first change the box used from air temperature and surface area, cut one door in side, and seal that side with tape and plastic wrap. Second put one 4 by 4 container with 200 milliliters of tap water on each side of the divider. Third put containers in the box that was recently changed. Fourth put heat lamp above the box. Fifth record and observe containers every 15 minutes. For wind, first measure 200 milliliters of tap water in a graduated cylinder. Second pour the water into 4 by 4 containers. Third place containers in the box used in humidity. Fourth place a fan across the container to blow on one side of the box. Fifth place heatlamp over the box. Sixth record and observe the containers <b>Results</b> Surface Area: The container with more surface area evaporated faster Air Temperature: The container with more heat evaporated faster Humidity: The one with more humidity evaporated faster Wind: The container with wind blowing evaporated faster <b>Conclusions/Discussion</b> It shows that larger surface areas help water evaporate faster More heat makes evaporation go faster High humidity makes water evaporate slower Wind helps evaporation go faster	
<b>Summary Statement</b> My project is to see if Surface Area, Wind, Humidity, Air Temperature effect evaporation in different ways.	
<b>Help Received</b> Friend helped give ideas; Mother bought supplies	