



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) July B. Perreault	Project Number J1528
Project Title Did It Sprout?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective was to find out if the pH of filtered water affected seed germination.</p> <p>Methods/Materials I adjusted filtered water to pH 2, 3, 4, 5, 6, 6.5, 7, 8, and 9, and used three controls, that were pH 6.5. I soaked corn, mustard, sunflower, and radish seeds in plastic cups with the adjusted waters and then took them out to sprout. I observed how each set of seeds grew and sprouted, and the amount of sprouts that grew each day.</p> <p>Results In the results, I found that the pH of 4-7 and the controls sprouted the most seeds and grew the best sprouts, while pH's 2, 3, 8, and 9, did poorly.</p> <p>Conclusions/Discussion Overall, all of the different kinds of seeds grew the best at a close to neutral pH range.</p>	
Summary Statement I tested how the pH of water effects seed germination?	
Help Received Mother helped set up board. Step Mother helped adjust waters to the right pH's.	