



**CALIFORNIA STATE SCIENCE FAIR  
2007 PROJECT SUMMARY**

<b>Name(s)</b> Chase D. Hagen	<b>Project Number</b> <b>J0505</b>
<b>Project Title</b> Qualitative Analysis of Cations, Anions, Unknowns	
<b>Abstract</b> <b>Objectives/Goals</b> To qualitatively analyze cations, anions and unknown solutions. <b>Methods/Materials</b> Materials are solutions of cations, anions, unknown solutions and individual group reagents. <b>Results</b> The coloration of the precipitates confirm the presence of certain cations or anions. <b>Conclusions/Discussion</b> By the color of the precipitate, one can identify a certain cation or anion that was present in the solution. Example: a red colored precipitate confirms the presence of Iron (Fe(2+)) ions.	
<b>Summary Statement</b> To identify the presence of an ion in a solution.	
<b>Help Received</b>	