



**CALIFORNIA STATE SCIENCE FAIR  
2007 PROJECT SUMMARY**

<b>Name(s)</b> <b>Jennifer L. Kim</b>	<b>Project Number</b> <b>J1114</b>
<b>Project Title</b> <b>How Does a Hamster's Gender and Senses Affect Its Time through a Maze?</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> To figure out how a hamsters senses and gender affect its time through a maze.</p> <p><b>Methods/Materials</b> A hamster maze was made of wood glue, a jenga set, and cardboard and was used to test a male's and female's time through it using each no, visual, smell, taste, sound, and touch cues. The hamsters would be timed on each time he/she went through the maze using a stopwatch. The cues were changed as the experiment progressed.</p> <p><b>Results</b> In this experiment the females had the least amount of time in each set of cues, the females had the least time starting with taste, then sound, then touch, then none, then visual and greatest time was smell, then males had the lest time starting with taste, then none, then visual, then touch, then sound, then smell, and the greatest time was visual.</p>	
<b>Summary Statement</b> This project investigates which senses a hamster uses the best to navigate through a maze, and also to find out which gender uses them better.	
<b>Help Received</b> Teacher looked over my papers and made comments.	