



**CALIFORNIA STATE SCIENCE FAIR  
2004 PROJECT SUMMARY**

<b>Name(s)</b> Christine M. Moon	<b>Project Number</b>  24349
<b>Project Title</b> <b>Eucerin vs. Vaseline: Does the More Expensive Lotion Work Better than the Less Expensive Lotion?</b>	
<b>Objectives/Goals</b> The purpose of this experiment was to find out if a more expensive lotion would work better than a less expensive lotion. <b>Abstract</b> <b>Methods/Materials</b> Consent forms were signed by each volunteer. Then, samples of their skin were taken by putting clear tape on the hands of the volunteers. When the tape was taken off there were skin cells on the tape. This was done prior to applying the lotions. Two bottles of lotion were given to the volunteers. One was labeled "L", this lotion was Eucerin, and was to be applied to the volunteers' left hand. The other bottle was labeled "R", this lotion was Vaseline, and was to be applied to the right hand. After about one week I took another skin sample of the volunteers' hands. Then, using a microscope I counted the skin cells of the "before" samples and the "after" samples. I compared the results and recorded them. <b>Results</b> The results of my experiment were that Eucerin did work better than Vaseline on the volunteers' hands. <b>Conclusions/Discussion</b> Eucerin worked better than Vaseline. Eucerine decreased the skin cells of fifteen of the seventeen samples, while Vaseline decreased the skin cells of only eleven of the seventeen samples. Eucerin was five times more expensive than Vaseline. These results proved my hypothesis to be correct. I thought this would happen because usually the price is based on the quality of the product.	
<b>Summary Statement</b> The more expensive lotion, Eucerin, worked better than the less expensive lotion, Vaseline.	
<b>Help Received</b> Father helped cut template. Mrs. Steil supplied information about Eucerin. Mrs. Dunnihoo taught me how to use a microscope and let me use it. Mrs. Hill loaned me her microscope. All of the volunteers gave skin samples.	