

CALIFORNIA STATE SCIENCE FAIR 2005 PROJECT SUMMARY

Name(s)	Project Number
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	J1129
Project Title	
How Do Sunblocks and Sunscreens Compare?	
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Objectives/Goals Abstract	
The objective of my project is to determine if sunblocks are more effective than	
ultraviolet rays in sunlight. I believe that the three brands of sunblock will bloc rays than the three brands of sunscreen.	ck more UVA and UVB
Methods/Materials	
Samples of three brands of sunblock and three brands of sunscreen were weighed and each spread over a separate 5 cm X 5 cm area on a clear plastic folder. Printing-out paper (photosensitive paper) was	
inserted in the plastic folder and it was placed in the sun for five minutes. The exposed printing-out paper	
was rinsed, then submerged in Kodak Fixer. This process was repeated for four trials. The developed	
paper was compared to a gradation scale. Results	
The sunblocks were more effective than the sunscreens when they both had the same Sun Protection	
Factor (SPF) number.	
Conclusions/Discussion My conclusion is that sunblock ingredients do block out more ultraviolet rays the	han sunscreens. Sun
Protection Factor (SPF) number is a reliable indicator of the effectiveness of su	
reliable indicator of the effectiveness of sunblocks.	
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Summary Statement	high was more offective
I compared sunblocks to sunscreens using photosensitive paper to determine when exposed to UVA and UVB rays in sunlight.	men was more effective
Help Received	
My father helped type some of the report.	