

## CALIFORNIA STATE SCIENCE FAIR 2013 PROJECT SUMMARY

Name(s)	Project Number
Kathryn S. Watts	10000
	<b>J2299</b>
Project Title	
Do Brine Shrimp Need Sunglasses to Hatch?	
Objectives/Goals Abstrac	t
This experiment intended to see how exposure to the d and light bulb radiation) would affect the number of bi experiment was that the light bulb radiation is less inte microwave and UV light radiations. A creature would intense light wave. Methods/Materials Materials:	rine shrimp eggs that hatch. The hypothesis in this ense and would allow more eggs hatch than the
The materials that were used in my experiment were b clear containers/cups, tap water, sea salt, a measuring c timer.	
Method: A set of cups, each containing 50 brine shrimp eggs, w solution was added to each cup after exposure and allo the number of hatched brine shrimp eggs were counted	wed sit undisturbed for 48 hours. After 48 hours,
A percentage and average of hatched brine shrimp egg	s was calculated for each type of radiation.
<b>Results</b> The data collected for the hatched brine shrimp eggs w Microwave Radiation had an average of 11.4% hatch. UV Radiation had an average of 10.6% hatch. Light Bulb Radiation had an average of 0.2% hatch.	vas:
<b>Conclusions/Discussion</b> The data from my experiment rejects my hypothesis si more eggs hatch but it ended up having the least numb one that would not have many eggs hatch after exposu	er of eggs hatch. This radiation turned out to be the
This experiment connects to the real world by showing radiation can be safe for organisms so they can live safe	
Summary Statement	
How does different types of radiation affect the develo	pment of an organism
Help Received	
Mom read and helped edit my research report, Ms. Chi my experiment, Dad help me with the display board ar	