

## CALIFORNIA STATE SCIENCE FAIR 2002 PROJECT SUMMARY

Name(s)	Project Number
Max Terry	J0723
	JUIZJ
Project Title	
AA Alkaline Batteries: Capacity Tes	ting
Objectives/Goals Abstrac	t
<ul> <li>My objective was to find out which brand of AA alkal hypothesis was that the Energizer Advanced Formula commercials always say they do.</li> <li>Methods/Materials <ul> <li>I created a test circuit which included a battery holder, repeated the circuit 18 times. My procedures were: I n hours. Then turned off all the switches and repeated th days. Lastly, I graphed the data.</li> </ul> </li> <li>Results <ul> <li>13 out of 17 brands performed about the same. The otl of the brands were "heavy duty" batteries.</li> </ul> </li> <li>Conclusions/Discussion <ul> <li>My data did not support my hypothesis. The Energiz average (about the same as most of the other brands).</li> <li>One of the cheapest batteries, the Safeway Select bra Formula.</li> <li>There is no relation in how well the batteries did and</li> </ul> </li> <li>Summary Statement <ul> <li>It is about AA battery life spans.</li> </ul> </li> </ul>	brand would last the longest because their , a precision resistor, and an on/off switch. I heasured each battery every half an hour for two he same process 24 hours later. I did this for seven her 4 did poorly. Of the 4 that did not do well, two zer Advanced Formula brand battery preformed only and, did as well of the Energizer Advanced
It is about AA battery life spans.	
Help Received	
My dad helped guide me to build my circuits.	