

CALIFORNIA STATE SCIENCE FAIR 2002 PROJECT SUMMARY

Name(s)	Project Number
	1 Toject Number
Max Terry	
	22347
Project Title) LEST
AA Alkaline Batteries: Capacity Testing	
Abstract	
Objectives/Goals My shipetive was to find out which brand of AA alkaling betteries losts the re-	And well and My
My objective was to find out which brand of AA alkaline batteries lasts the for hypothesis was that the Energizer Advanced Formula brand would last the long	est begause their
commercials always say they do.	January Land
Methods/Materials	Y
I created a test circuit which included a battery holder, a precision resistor, and repeated the circuit 18 times. My procedures were: I measured each battery eye	an on/off switch. I
hours. Then turned off all the switches and repeated the same process 24 hours	later I did this for seven
days. Lastly, I graphed the data.	facer. I did tills for seven
Results	
13 out of 17 brands performed about the same. The other 4 did poorly, of the	that did not do well, two
of the brands were "heavy duty" batteries. Conclusions/Discussion	
- My data did not support my hypothesis. The Energizer Advance. Formula b	rand battery preformed only
average (about the same as most of the other brands).	
- One of the cheapest batteries, the Safeway Select brand, did as well of the En	ergizer Advancedt
Formula There is no relation in how well the patteries did and their price.	
- There is no relation in now wen the batterns and and thereprice.	
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Summary Statement	
It is about AA cattery life spans.	
Help Received	
My dad helped guide me to build my circuits.	