

CALIFORNIA STATE SCIENCE FAIR 2009 PROJECT SUMMARY

Name(s)	Project Number
Jonathan T. Chaney	.12207
Project Title	
Compact Fluorescent Lights vs. Incandescent Lights	
Objectives/Coals Abstract	
My goal was to determine if compact fluorescent light bulbs were incandescent light bulbs. I did this by measuring the light output, temperature of each type of light bulb.	more efficient than their equivalent the power used, and the operating
I compared 5 compact fluorescent light bulbs to 5 incandescent light photocell to measure light output, a wattmeter to measure the pow to measure the temperature of each bulb. In order to keep my tests hold the test instruments while doing the experiment.	ght bulbs by using a voltmeter and ver used, and an electronic thermometer s consistent, I built a light proof box to
Results I determined that compact fluorescent light bulbs used about 75 per same amount of light, and generated 30 degrees Fahrenheit less he	ercent less power, put out almost the eat than the incandescent light bulbs.
I concluded that compact fluorescent light bulbs are more efficien	t than incandescent light bulbs.
Summary Statement	
I wanted to determine if the compact fluorescent light bulb comm more efficient than incandescent light bulbs.	ercials were correct about them being
Help Received	

Dad helped me build the light proof box. Mom helped edit the report.