lame:	

Energy Efficiency Lab Investigation Sheet

Light Bulb Activity Data Collection

Light bulb Type	Before	1 sec.	30 sec.	1 min.	1.5 min.	2 min.	30 sec. Off	1 min. Off	1.5 min. Off	Observations	HEAT OUTPUT (Highest temp - Before temp)
Incandescent 60 Watts Life = 1000 hrs. Cost = \$.50											
Appliance Bulb 40 Watts Life = 1000 hrs. Cost = \$1.50											
Compact Florescent Light Bulb (CFL) 13 Watts Life = 10,000 hrs. Cost = \$2.50											
LED bulb 1.5 Watts Life = 25,000 hrs. Cost = \$7.00											
Alternate Bulb Watts Life = hours Cost = \$											

Light Bulb Lab Analysis

1.	List the light bulbs from highest to lowest heat output . (Heat output = Highest Recorded Temperature – Before Temperature)
2.	Which light bulb reached its highest temperature the fastest?
3.	Which light bulb reached its highest temperature the slowest?
4.	What other observations did you notice?
5.	What is the relationship between the heat output and the wattage used by the light bulbs? Use your data to support your conclusion.
6.	List at least 2 advantages of using more energy efficient light bulbs?
7.	List at least 2 disadvantages of using more energy efficient light bulbs?