



# Light Bulb Investigation 2

## OBJECTIVE

To compare the wattage of an incandescent to a compact fluorescent light bulb.

## MATERIALS

- 2 Lamps
- 1 Incandescent light bulb
- 1 Compact fluorescent bulb
- 1 Kill A Watt™ monitor

## PREPARATION

Read all of the steps in the procedure.

## HYPOTHESIS

## PROCEDURE

1. Place the incandescent bulb in one lamp and the compact fluorescent bulb in the other.
2. Place the lamps on a table.
3. Plug the Kill A Watt™ monitor into an outlet and plug the lamp with the incandescent bulb into it.
4. Turn on the lamp. Record the wattage using the Kill A Watt™ monitor. Turn off the lamp and unplug it from the monitor.
5. Plug the lamp with the compact fluorescent bulb into the monitor. Turn on the lamp and record the wattage. Turn off the lamp.
6. Compare the wattage measured by the monitor to the stated wattage of the bulbs.

## DATA

BULBS	WATTAGE FROM MONITOR	STATED WATTAGE
Incandescent		
Compact Fluorescent		

## CONCLUSION

What did you learn about the wattage used by an incandescent light bulb compared to wattage used by a compact fluorescent light bulb? Use data to support your answer.