

Name _____

Number _____

Date _____

How much electrical energy does your home use?

Procedure:

Use the attached list of appliances and power ratings. Record the number of hours/day you or your family uses each device each day. Calculate the energy used (in kWh) each day and the total for one month.

Analyze and Conclude:

1. The average cost of electricity in the US in 2009 was 12¢ per kWh. Using that amount, calculate the monthly cost for each appliance on the list. Then, determine the cost per month of the energy used in your home.
2. Make a list of your appliances in order of energy use, largest on top.
3. The chart lists the appliances in order of power use. How does it compare to your list of energy use? Are they the same? If not, why are they different?
4. Explain the difference between power use and energy use.