

Energy Worksheets



1. SURVEY

Take the Home Energy Use Survey to your house, and hang it where everyone can see it. Over the course of one day on a weekend, complete the survey. "Type of Energy" includes such things as electricity, gas, oil, coal and wood.

Bring in your family's most recent heating and electricity bills.

- a) What is the total for your family's: electricity bill? _____
other energy (gas/oil/coal) bill? _____
- b) Calculate the group's average for the: electricity bill? _____
other energy (gas/oil/coal) bill? _____

2. QUESTIONS

- a) What things in your house use energy all the time? _____
- b) Are they necessary? Why or why not? What things were not necessary and why? Discuss this with your group. _____

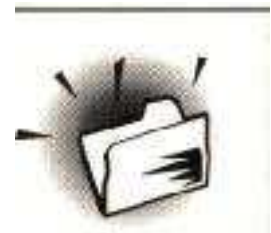
- c) How many hours of electricity is your family using in one day? Go to the **Tree of Life posters** and find out how much energy the average Canadian uses in one year. Why to you think Canadians use more energy than people in other countries? _____

- d) How many hours of electricity does your group and their families use every day? _____
- e) In the chart on the next page, which things could you replace with something that uses less or no energy? For example, a vacuum cleaner could be replaced by a broom for floors with no carpet. A broom wouldn't use any energy (except human!) and sweeping would take the same amount of time.

Item	Alternative Benefits	Time Spent
Garbage Disposal		
Dishwasher		
Electric Can Opener		
Electric Beater		
Food Processor		
Electric Juicer		
Coffee Maker		
Dryer		
Other		

Of all the energy-users you listed, which things could you turn off, or use less often?

- f) Refer to your Student Footprint Survey. Create a chart for all the home entertainment devices you use. List why you use the device, what other things you could substitute for it, and whether your alternative would save energy.



Home Energy Use Survey

ITEM	TYPE OF ENERGY	IS IT NECESSARY?	WHY ARE YOU USING IT?	TIME USED
Home Heating				
Home Cooling (A/C, Fan)				
Hot-water Heater				
Lights (total in house)				
Stove (cooking)				
Stove (heating)				
Microwave				
Toaster/Toaster Oven				
Garbage Disposal				
Dishwasher				
Refrigerator				
Other Kitchen Appliances				
Television /DVD player				
Computer / Printer				
CD/tape player /MP3				
Computer/Printer				
Fireplace				
Telephone				
Washing Machine				
Dryer				
Vacuum Cleaner				
Hair Dryer/Curling Iron				
Iron				
Other				