

Career Challenge – Be A Home Energy Auditor



Energy Consumption

1. List the energy consuming devices in your kitchen.
2. List the energy consuming devices in your bathroom.

Heating and Cooling

1. Thermostat settings:

Cooling Season: Day _____ °F Night _____ °F

Heating Season: Day _____ °F Night _____ °F

2. Are there any heat-emitting devices located near the thermostat? _____
3. Does your home have a programmable thermostat? _____
4. How is your home heated (natural gas/electricity/propane/wood-burning stove)?
5. How is your home cooled (central air conditioner/window air conditioner/fans)?
6. Number of times per year the furnace filter is changed. _____
7. Does your family use blinds and drapes to help control temperature in your home? _____
8. Does your home have storm windows and doors? _____

Lighting

1. Number of incandescent lightbulbs in your home. _____
2. Number of compact fluorescent lightbulbs in your home. _____

Water Heating and Use

1. Number of times your dishwasher is run per week. _____
2. How often the energy saving feature on the dishwasher is used. 0% 25% 50% 75% 100%
3. Number of loads of laundry washed at home per week. _____
4. Percentage of the laundry loads washed in cold water. 0% 25% 50% 75% 100%
5. Total number of baths taken by all family members each week. _____
6. Total number of showers taken by all family members each week. _____
7. Average length of each shower. _____ minutes
8. Is your water heater wrapped with an insulation blanket? _____

Connections and Reflections

1. Describe two things your family does to save energy at home.
2. Describe one way your family could reduce electricity consumption at home and how you might get everyone in your family to participate.
3. What are two ways to be comfortable at home without adjusting the temperature and using more energy?
4. What can your family do to reduce your hot water use?
5. If you could change one thing about the way you use energy, what would it be and why?