

Name: _____ Address: _____

Take the Family Home Energy Quiz

Saving energy improves the environment and reduces energy bills. There are numerous actions you can take to reduce your energy consumption and fight global warming. Use this Energy Quiz to find ways that your family directly affects Greenhouse gas emissions. Walk through your home and circle the descriptions below that apply. The number in lbs/yr equates to the total pounds of Carbon Dioxide (CO₂) reduction in a year.

1 Attic Insulation

Test: Use a ruler to measure how much insulation you have in the attic area.

- 6 inches or less (0 lbs/yr)
- 7 to 11 inches (600 lbs/yr)
- 12 inches or more (1000 lbs/yr)

Tip: If you have less than 12 inches of insulation, you probably need more. Improving your home's insulation is one of the most effective and cost-efficient ways to reduce energy usage.



2 Furnace Filters

Test: How often were your furnace filters cleaned or changed in the last year?

- Not at all (0 lbs/yr)
- 1-3 times (75 lbs/yr)
- 4 or more times (175 lbs/yr)

Tip: Make sure your furnace is operating at maximum efficiency by cleaning or replacing your furnace filters frequently. Be sure to follow the instructions in your owner's manual.

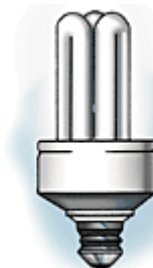


3 Lighting

Test: Count the number of compact fluorescent light bulbs you have in high-use areas such as hallways, living rooms, and kitchens.

- No compact fluorescents (0 lbs/yr)
- 1-4 compact fluorescents (100 lbs/yr)
- 5 or more compact fluorescents (250 lbs/yr)

Tip: If you replace 25 percent of your light bulbs in high-use areas with compact fluorescent bulbs, you can reduce energy used for lighting by 50 percent or more.

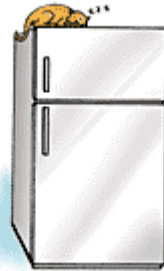


4 Refrigerator

Test: Close the door over a dollar bill so it is half in and half out of the refrigerator.

- Easy to pull out (0 lbs/yr)
- Hard to pull out (500 lbs/yr)
- Doesn't pull out (1000 lbs/yr)

Tip: If you can easily pull out the dollar bill, the latch may need to be tightened or the seal replaced.



5 Thermostat

Test: Is the temperature setting on your thermostat above or below the following levels?

Winter

- 74° or higher (0 lbs/yr)
- 71°–73° (100 lbs/yr)
- 70° or lower (250 lbs/yr)

Summer

- 74° or lower (0 lbs/yr)
- 75°–77° (100 lbs/yr)
- 78° or higher (250 lbs/yr)

Tip: A programmable thermostat can help you reduce your heating and cooling bills by as much as 10 percent a year.



6 Water Heater

Test: Locate the EnergyGuide label to determine your water heater's energy-efficiency rating. How much energy does it use compared to similar models?

- Uses the most energy (0 lbs/yr)
- Uses an average amount of energy (500 lbs/yr)
- Uses the least energy (1000 lbs/yr)

Tip: If you can't locate the EnergyGuide label, carefully touch the water heater tank. If the tank is warm to the touch, it probably uses the maximum amount of energy.



7 Weather Stripping

Test: Open your front or back door and check the condition of the weather stripping between the door and the door frame.

- None (0 lbs/yr)
- Worn out (100 lbs/yr)
- Good condition (500 lbs/yr)

Tip: Sealing air leaks in your home can reduce your home's energy usage by 10 percent or more.



8 Windows

Test: How many layers of glass do your windows consist of? Is there a special label on the glass? Do you also have storm windows?

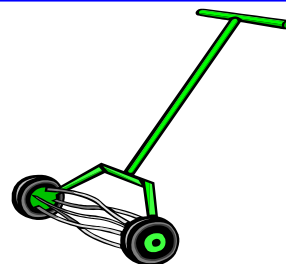
- Single-pane with no storm windows (0 lbs/yr)
- Single-pane with storm windows or double-pane windows (1500 lbs/yr)
- Double-pane, either gas-filled or with reflective coating (5000 lbs/yr)

Tip: During colder months, cover single-pane windows, including the entire frame, with a clear plastic film on the inside to prevent cold air from entering your home.



9 Lawn Mowing

- Use a push mower instead of a power mower to maintain your lawn. (80 lbs/yr)



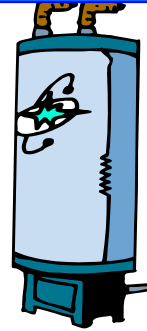
10 Showers

- ☐ Install low-flow shower heads in order to use less hot water (300 lbs/yr)



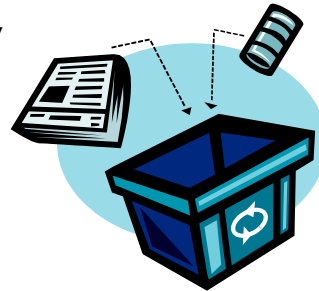
11 Water Heater

- ☐ Keep your water heater thermostat no higher than 120 degrees F. (500 lbs/yr)
- Tip: This is also a good HOME SAFETY tip! Prevent scalding burns by turning the temperature down.



12 Recycle

- ☐ Recycle all of your home's waste newsprint, cardboard, glass, metal and plastic (850 lbs/yr)
- Tip: Gardeners, start an "at-home" composting project. You can use newsprint as a mixing ingredient for compost.



13 Motor Vehicles

Test: How many days a week do you leave your car at home? Look for other means of transportation (walk, bike, carpool, public transit).

- ☐ Leave your car at home. Walk, bike, carpool or use public transit (15 lbs/**day**)

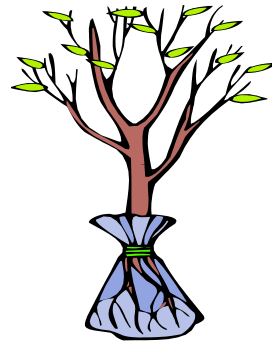


15 lbs/day X _____ actual days = _____ lbs

(insert this number in the table below)

14 Plant Trees

- Plant an "urban" tree (26 lbs/yr per tree)
- Plant shade trees around your home to reduce cooling costs (400 lbs/yr per tree)



Tally your impact!!

Name: _____

Item #	CO ₂ lbs/yr	Item #	CO ₂ lbs/yr
1 - Attic Insulation		8 - Windows	
2 - Furnace Filters		9 - Lawn Mowing	
3 - Lighting		10 - Showers	
4 - Refrigerator		11 - Water Heater	
5 - Thermostat		12 - Recycle	
6 - Water Heater		13 - Motor Vehicles	
7 - Weather Stripping		14 - Plant trees	
		TOTAL	

Total up your emissions with friends and families across the globe. Together we can each make a difference!!