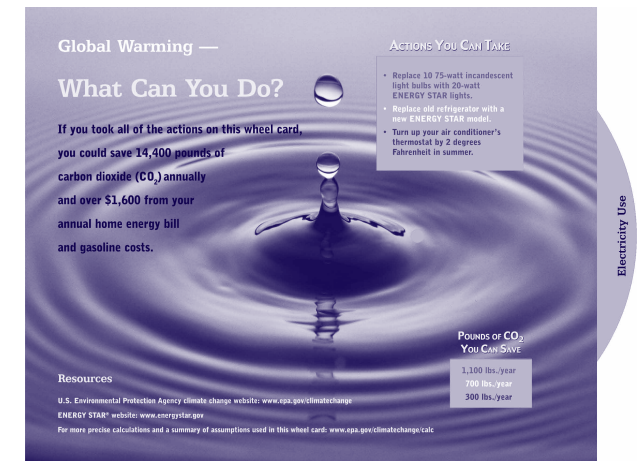


Global Warming Wheel Card

- Cut out the two large circles and the two large rectangular pieces.
- Cut out the two little rectangular windows on each of the large rectangular pieces.
- Put glue on the backs of both circles and put them together to make the "wheel" of the wheel card, making sure that you align them so that the four labels that run along the outside of each circle (Waste Disposal, Home Heating, Electricity Use, and Transportation) line up with the corresponding labels on the other side. The Waste Disposal label on one side should line up with the Waste Disposal label on the other side, and so on.
- Lay the rectangular piece entitled "What Can You Do?" upside-down on the table with the larger of the two cutouts closer to you. If you lift up the edge of the rectangular piece and see the words "Global Warming—What Can You Do?" right side up, you've done it correctly.
- Put the glued-together wheel on top of the rectangular piece, with the side that has all the questions (such as "On average, how much does your household spend on electricity each month?") facing up.
- Lay the other rectangular piece entitled "What's Your Score?" on top of the wheel, with the smaller of the two cutouts closer to you.
- Look for the "belly button" on the pasted-together wheel and the two large rectangular pieces. Push a paper fastener ("brad") through the "belly button" to hold all the pieces together.
- Glue the large rectangular pieces in all four corners just enough to hold the rectangles together but allowing the wheel to turn freely.
- If you wish, highlight each line inside the windows in a different color to make it easier to read. If you have access to a color printer, this step will be unnecessary.
- If you are putting the wheel together to use in a demonstration, now you're ready to calculate the greenhouse gas emissions "score" of members of your audience and what they can do to reduce it.



Side 1



Side 2

If you have access to a color printer and would like to download additional color Global Warming Wheel Cards, please visit the EPA Global Warming Wheel Card homepage at www.epa.gov/climatechange/emissions/wheel_card.html.

**Global
Warming
Wheel Card**

Side 1 (outside)

Global Warming —

What's Your Score?

In the United States, a typical household of two people generates approximately 41,500 pounds of carbon dioxide (CO₂) emissions every year from household activities and personal transportation.

EMISSIONS SOURCE

POUNDS OF CO₂
EMITTED PER YEAR



United States
Environmental Protection
Agency

Office of Air and Radiation
Office of Atmospheric
Programs

EPA-430-F-08-010
June 2008

**Global
Warming
Wheel Card**

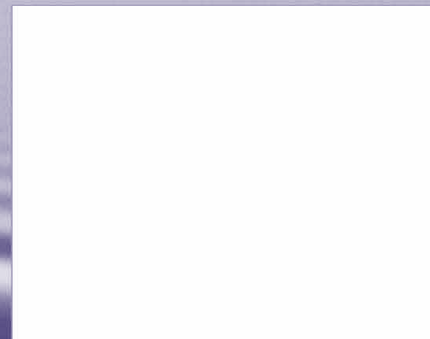
Side 2 (outside)

Global Warming —

What Can You Do?

**If you took all of the actions on this wheel card,
you could save 14,400 pounds of
carbon dioxide (CO₂) annually
and over \$1,600 from your
annual home energy bill
and gasoline costs.**

ACTIONS YOU CAN TAKE



**POUNDS OF CO₂
YOU CAN SAVE**



Resources

U.S. Environmental Protection Agency climate change website: www.epa.gov/climatechange

ENERGY STAR® website: www.energystar.gov

For more precise calculations and a summary of assumptions used in this wheel card: www.epa.gov/climatechange/calc

Global Warming Wheel Card

Side 1 (inside)

The wheel card is a circular tool for assessing household environmental impact. It is divided into four quadrants: Home Heating, Transportation, Waste Disposal, and Electricity Use. Each quadrant contains a question, a list of options, and a corresponding weight in pounds per year. The center of the wheel features a small circle and the text 'Global Warming — What's Your Score?'.

Home Heating

On average, how many miles do you put on your car(s) per week? If you have more than one car, use the total number of miles per week for all your cars.

- 200 miles
- 400 miles
- 600 miles

Weights: 7,700 lbs./year, 15,500 lbs./year, 31,000 lbs./year

Transportation

Which of the following scenarios best describes your household's waste disposal practices?

- We don't recycle at all.
- We recycle about half of all recyclable materials (paper, plastics, glass, magazines, aluminum and steel cans).
- We recycle everything we can.

Weights: 5,100 lbs./year, 10,200 lbs./year, 20,500 lbs./year

Waste Disposal

What is your average monthly electric bill? Pick closest amount.

- \$50
- \$100
- \$200

Weights: 10,800 lbs./year, 21,600 lbs./year, 32,300 lbs./year

Electricity Use

What is your average monthly heating bill? Pick closest amount.

- \$50
- \$100
- \$200

Weights: 1,100 lbs./year, 1,600 lbs./year, 2,000 lbs./year

Global Warming — What's Your Score?

Global Warming Wheel Card

Side 2 (inside)

