Name:	Date:

Weather & Atmosphere, Lesson 6: Global Climate Change – Carbon Footprint Worksheet

Instructions

Your "Carbon Footprint" is a calculation that tells you how much carbon dioxide you produce. Since carbon dioxide is a greenhouse gas, this worksheet can help you see how you contribute to global warming.

Family Survey

Answer each question for a yearly total (multiply a monthly total by 12).

1.	Number of miles driven per year X (multiplied by) the vehicle's average
	gas mileage = gallons of gasoline used.
	(Do this for each vehicle your family owns)
	X=
	X=
	X=
	Total
2.	Number of miles of air travel for your family
3.	Average number of miles your family travels by bus/other mass transit
4.	Kilowatt-hours of electricity used (Look at your utility bill to find out a monthly amount and multiply by 12.)
5.	Therms of natural gas used (Look at your utility bill to find out a monthly amount and multiply by 12.)
6.	Gallons of propane or bottled gas used
7.	Other sources of energy your family uses?

Nam	ne: Date:
8.	Total number of people living in your household
You	r "Footprint" on the Global Environment – The Greenhouse Effect
Diox	the information you gathered in your Family Survey to calculate how much CO ₂ (Carbon kide) you generate per year. Carbon Dioxide is one of the main gases involved in creating the al Greenhouse Effect.
1.Ga	allons of gasoline used x 22 pounds CO2/gallon =
2.Mi	iles of air travel x 0.9 pounds/mile =
3.Mi	iles on mass transit x 0.5 pounds/mile =
4.Ki	lowatt hours $\underline{\hspace{1cm}}$ x 1.5 pounds/ kWh = $\underline{\hspace{1cm}}$.
5.Th	erms natural gas x 11 pounds/therm =
7.Ga	allons of propane x 13 pounds/gallon =
Tota	l pounds of CO2 generated (add up all the numbers on the right)
Tota	l pounds generated X (multiply by) number of people in your household =
	(Total You Generated)
Red	lucing Your Impact
	the space below, write down some actions that you and your family could do to ce the Greenhouse Effect.