Name:	Date:	Class:

## **Carbon Footprints & Transportation Worksheet**

Instructions: Read the article and research the internet to answer the questions below.

## **Section 1: Basics of Greenhouse Gases**

1. Which greenhouse gas (GHG) emission is most abundant in the U.S.?

2. Which human activities produce carbon dioxide (CO2) greenhouse gas emissions?

3. What are the top two CO2 emissions sources in the U.S.?

4. Why aren't scientists concerned with water vapor in the atmosphere being a cause of climate change?







Na	me:	Date:	Class:	
Ins •	ection 2: Calculate your Carbon Footprint structions: Use the information below and resear The average gallon of gas contains about 5 poo One five-pound bag of charcoal briquettes cont	ch the internet to a unds (lbs.) of carb	on.	ons.
5.	If you drive or ride in a vehicle that averages 25 you be emitting?	5 miles per gallon	(mpg), how many briquette	s per mile would
6.	The average person drives 39 miles each day.	How many brique	ttes of CO2 do they emit ea	ach day?
7.	How many miles per gallon does your family ve	ehicle or school bu	ıs average?	
8.	How many briquettes per mile are emitted while	e traveling in your	vehicle? (same process as	; #5)
9.	How many miles do you travel to school? (rese	earch on the interr	net, if needed)	





10. Calculate how many carbon briquettes you emit as you travel to school (same process as #6).



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Section 3: Carbon Footprint Reflections		

11. Do you think people would change their behavior if carbon dioxide were emitted in a visible way, such as charcoal briquettes, rather than as an invisible gas? Why or why not?

12. What might be some options for reducing the amount of carbon dioxide emitted from the transportation system?





