

Name:

Date:

Class:

Carbon Footprint

Instructions: Using the following information answer the questions below.

- The average gallon of gas contains about 5 lbs. of carbon.
- One five-pound bag of charcoal briquettes contains approximately 100 briquettes.

1. If you drive or ride in a vehicle that averages 25 mpg, how many briquettes per mile would you be emitting?

2. The average person drives 39 miles each day. How many briquettes of CO₂ do they emit each day?

3. How many miles per gallon does your car (or your family car) average? (google it!)

4. How many briquettes per mile would be emitted while traveling in your vehicle? (same process as #1)

5. How many miles do you travel to school? (google it!)

6. Calculate how many carbon briquettes you are emitting as you travel to school. (same process as #2)

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Conclusions

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

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