

**Physical Science**

Name: \_\_\_\_\_ Block: \_\_\_

**Total Energy Used by YOUR Household**

1. Compute your own household's use personal of energy for transportation by filling in a row of the table below for each car, SUV, or pickup your family uses. Use the conversion:

1 gallon gasoline = 125,000 BTUs

You can find miles/gallon figures easily by Googling your car model and year with "mpg", for example "2003 Honda Accord mpg"

Vehicle	Make / Model	Miles / gallon	Miles driven per year	Gallons / year	BTUs / year	kWh / year
1						
2						
3						
4						
Total						

2. Compute your own household's use of energy for air travel by listing as many trips as you can that anyone in your household made, including "business trips". Add more lines if you need them! You can find the flight distance between cities at [www.travelmath.com/flying-distance](http://www.travelmath.com/flying-distance). Don't forget to multiply by 2 for round trips! Use the conversion:

1 gallon of jet fuel = 64 people-miles (seat-miles)

1 gallon of jet fuel = 128,100 BTUs

Itinerary (Departure–Arrival)	Flight miles (x2 for RT)	People travelling	People-miles (multiply!)	Gallons	BTUs	kWh
Total						

