

Percentage of Land Use by Sector:

- 4%: Non-Production Land (Preservation)
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- 2.6%: Non-Production Land (Preservation)
- 14%: Non-Production Land (Preservation)
- 9%: Land Use Change and Forestry
- 10%: Electricity and Gas
- 4%: Non-Production Land (Preservation)
- 64%: Non-Production Land (Preservation)
- 20%: Industry
- 32%: Road Transportation
- 9.6%: Urban Growth
- 35%: Agriculture

- A mature tree can absorb an average of 79 pounds of CO₂ per year.

Grade 88 (Organic Carbon)



Step 3

Car's Fuel Consumption Rate	
Year	
Make	
Model	
MPG (miles per gallon)	

Step 4

Total Fuel Consumption	
Total Distance Traveled (miles)	
Car's Fuel Consumption (MPG)	
Total Fuel Consumption (gallons)	

1 mile = 1.609 kilometers



Step 5

Total CO2 Emissions Generated By Fuel Use	
Total Daily Fuel Consumption (gallons)	
Total Daily CO2 Emissions (pounds)	
Total Yearly CO2 Emissions (pounds)	

1 gallon emits 19.6 pounds of CO2

Step 3



Number of Trees Needed to Offset Your CO2 Emissions in a Year	
Total Yearly CO2 Emissions (pounds)	
Number of Trees Needed to Offset Your CO2 Emissions	

Analysis and Reflection

Answer the following questions. Include data from your analysis worksheet.

1. What surprised you about your results?
2. What was most interesting about your data?
3. Write two things you can do to lower your family's carbon dioxide emissions.