



What Causes the Most Pollution?

Directions: Determine what type of source causes the most pollution in each of six categories of pollutants. Study the charts showing the percentage of emissions in Michigan by source. For each chart, give 4 points for the source with the highest percentage, 3 points for the next highest, 2 points for the next one, and 1 point for the lowest percentage. In the case of a tie, assign an average to both sources. Calculate the total for each source to determine which source ranks the highest overall and answer the questions that follow.

Source Type	Carbon Monoxide	Lead	Nitrogen Oxides (NO _x)	Particles (PM _{2.5})	Sulfur Dioxide	VOCs	Total
Point							
Area							
Non-Road							
On-Road							

1. Which source of air pollution ranked the highest overall? Give some examples of this type of source. Is this what you would have predicted? Explain why or why not.
2. Point sources such as factories and power plants release the greatest percentages of which air pollutants?
3. Non-road sources, such as construction equipment and trains, release the greatest percentage of which air pollutants?
4. On-road sources, such as cars, release the greatest percentage of which air pollutants?