

Name _____

Air Pollution Sources in My Community

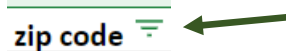
Directions:

- Using your computer, go to the website: <https://tinyurl.com/DCMetroAirPollution>. You should see a spreadsheet of information that looks like this:

	A	B	C	D	E	F	G	H	I	
1	state	county	site name	facility source type	city	zip code	pollutant desc	pollutant type	total en	emissions unit of measure
681	MD	Baltimore city	CURTIS BAY	Rail Yard	Unknown	0	Nitrogen Oxides	CAP		91 TON
682	MD	Baltimore city	P Q Corporation		Baltimore	21230	Nitrogen Oxides	CAP		84 TON
705	MD	Baltimore city	Buckeye Terminals, LLC - Baltim	Petroleum Storage Faci	Baltimore	21226	Volatile Organic Compounds	CAP		40 TON
706	MD	Baltimore city	American Sugar Refining	Sugar Mill	Baltimore	21230	Carbon Monoxide	CAP		40 TON
730	MD	Baltimore city	BAYVIEW (NS)	Rail Yard	Unknown	0	Nitrogen Oxides	CAP		26 TON
745	MD	Baltimore city	PIER 7	Airport	BALTIMORE	0	Lead	CAP/HAP		20 LB
747	MD	Baltimore city	Buckeye Terminals, LLC - Baltim	Petroleum Storage Faci	Baltimore	21226	Carbon Monoxide	CAP		20 TON
752	MD	Baltimore city	American Sugar Refining	Sugar Mill	Baltimore	21230	Nitrogen Oxides	CAP		19 TON
766	MD	Baltimore city	Johns Hopkins Univ. - Charles Str	Institutional (school, h	Baltimore	21218	Nitrogen Oxides	CAP		19 TON
768	MD	Baltimore city	Crispy Bagel Company	Bakeries	Baltimore	21223	Volatile Organic Compounds	CAP		15 TON
793	MD	Baltimore city	CURTIS BAY	Rail Yard	Unknown	0	Carbon Monoxide	CAP		14 TON
799	MD	Baltimore city	American Sugar Refining	Sugar Mill	Baltimore	21230	Carbon Monoxide	CAP		11 TON
803	MD	Baltimore city	American Sugar Refining	Sugar Mill	Baltimore	21230	Carbon Monoxide	CAP		10 TON
804	MD	Baltimore city	American Sugar Refining	Sugar Mill	Baltimore	21230	Carbon Monoxide	CAP		9 TON
823	MD	Baltimore city	American Sugar Refining	Sugar Mill	Baltimore	21230	Nitrogen Oxides	CAP		9 TON
828	MD	Baltimore city	American Sugar Refining	Sugar Mill	Baltimore	21230	Nitrogen Oxides	CAP		8 TON

This is a list of all the pollution sources in Maryland, Virginia, Washington DC, and West Virginia. Make sure you are on the tab for Criteria Pollutants (look at the bottom).

- To find pollution sources in your neighborhood, start by sorting the list by zip code. You can do that by clicking on the little triangle next to zip code that looks like this:



Then click Sort A→Z. This will sort the list by zip code.

- Now you can scroll through the list to find your zip code. You can also search for your zip code by holding <control>-F, typing your zip code into the box that pops up, and hitting enter. When you find some entries in the list for your zip code, go to the next step. If you can't find anything in your zip code, use one that has a similar number.
- When you find some emissions sources in your zip code or one nearby, look in the column for "total emissions" (it is the next to last column). This is the amount of emissions that come from that source. Find the source with the most emissions in your area.
- Write down the following information for that source in your data table on the next page:
 - The site name:** this is the name of the company or organization
 - Type:** this is what the company or organization does
 - Pollutant**
 - Total emissions**

6. Find at least four other sources of pollution in your neighborhood, and add their information to your data table. Look for sites you recognize from your neighborhood, and sites that have a lot of emissions.

Pollution Sources

Site Name	Type	Pollutant	Total emissions

Analysis

What “type” of polluter is most common in your area? _____

What pollutant was most common in your area? _____

Sort the database by total emissions by clicking the arrow next to total emissions and choosing “sort Z→A”. When the database is sorted, look at the top 10 polluters.

What “type” of industry creates the most pollution? _____

What pollutants are most common from this industry? _____

How do the polluters in your area compare to the biggest polluters? Do they emit a lot or a little pollution in comparison? _____
