Graph of the Week

October		
OCTORE		

Analyze the graphs below and write a reflection on what you think the graph is communicating to you. To guide you with your response, start with some observations.

- What is the topic of the graph?
- What does the x-axis represent? What does the y-axis represent?
- What are some observations that you can make based on the graph?
- What do you foresee happening in the next 10 years?

Questions to ask when reading graphs:

- Is there an upward or downward trend?
- Are there any sudden spikes in the graph?
- What is being compared in the graph?
- What prediction can I make for the future?
- ➤ What inferences can I make about the graph?

The Most Polluted Cities In America Cities with the highest year-round levels of particle pollution in the U.S. (2017-2019)* National Ambient Air Quality Standard for PM2.5 (score of 12.1 or higher is a fail) Bakersfield, CA 16.9 15.7 Fresno-Madera-Hanford, CA 15.5 Visalia, CA Los Angeles-Long Beach, CA 14.0 Medford-Grants Pass, OR 13.8 Fairbanks, AK 13.7 San Jose-San Francisco-13.5 Oakland, CA Phoenix-Mesa, AZ * Values based on ALA's design value - calculated concentration of a pollutant based on the National Ambient Air Quality standard for PM2.5. Source: American Lung Association's State of the Air 2021

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Fine particles (PM_{2.5})

Residential woodburning (woodstoves, boilers, campfires)

Directly emitted from combustion sources

	Emissions from facilities (point sources)
60%	66
10% 5% Other	Agriculture, construction, recreational equipment
Industrial, commercial, institutional combustion	Onroad cars, trucks, buses