

Mystery Town



Mystery Town Activity



Names:

1. Review the town data provided and complete the following chart based on provided information.

TOWN	Which features might be sources of air pollution?	Which features might reduce air pollution levels?	Guess for Air Quality Level <i>Good, Moderate, Unhealthy for Sensitive Groups, Unhealthy</i>
A			
B			
C			
D			
E			
F			

PM _{2.5}	Air Quality Index
0 to 12.0	Good 0 to 50
12.1 to 35.4	Moderate 51 to 100
35.5 to 55.4	Unhealthy for Sensitive Groups 101 to 150
55.5 to 150.4	Unhealthy 151 to 200

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2. Which town do you predict will have the highest level of air pollution? Justify your answer.

3. Which town do you predict will have the lowest level of air pollution? Justify your answer.

4. What additional information would be useful to know about each town to help predict air quality? Why?

5. Which town is most similar to where you live? Why?

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6. Copy over your prediction for air quality levels, and see if you can guess the town - just for fun! Then, ask your teacher for the answer key. Complete the table below. Find the current live PM 2.5 level at <https://iqair.com/>

TOWN	Guess the Town	Predict Air Quality Level	Name of Town	PM 2.5 levels Min, Max, Average, Current	Major Sources of Air Pollution
A					
B					
C					
D					
E					
F					

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7. How did your predictions compare to the real town data?

8. What are the most common sources of air pollution across the towns?

9. What are the health impacts of increased air pollution?

10. Imagine you live in a town of high levels of air pollution. Using the ideas we have learned about air pollution, propose an action you can take to improve the quality of the air.