Lesson 3: Why is Ground-Level Ozone Monitored?

AirCompare					Name: Period:		
Are you breathing clean air? How does your city compare?							
						Date:	
Good	Moderate	Unhealthy for Sensitive Groups	Unhealthy	Very Unhealthy			

AIRNow.gov enables the air quality for one area to be compared to that of another using a feature called AirCompare. Using this tool, compare the overall air quality of Oklahoma to two other states of your choice (http://www.epa.gov/aircompare/compare_by_state.htm)

- a. On Step 1 select the option "Asthma or other lung disease"
- b. On Step 2 select Oklahoma from the map along with two other states of your choice
- c. Click on the "Compare my Air" icon below the map to get the results. *Note: The program will take a few minutes to load the data.
- d. Use the data table below to record the name of the state and the name of the county with the *highest* number of unhealthy days.

Counties with Highest Number of Unhealthy Days-- State Comparison: 2011

State	Name of County	Number of Unhealthy Days
Oklahoma		

1. Out of the three states that were selected, one of which was Oklahoma, which state had the county with the highest number of unhealthy days?

To compare the overall air quality among specific counties in Oklahoma, use the AirCompare feature (http://www.epa.gov/aircompare/compare.htm)

- a. On Step 1 select the option "Asthma or other lung disease"
- b. On Step 2 click on Oklahoma and select three counties of your choosing. Click on the "Compare my Air" icon below the map to get the results.
- c. Use the data table below to record the number of unhealthy days reported in the three counties you selected.

Number of Unhealthy Days Oklahoma County Comparison: 2011

Counties	Number of unhealthy days

- 2. Out of the three counties that were selected, which county had the highest number of unhealthy days?
- 3. **Brainstorm:** What are some factors that might cause air pollution levels (i.e., number of unhealthy days) to vary from state to state or from county to county?



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