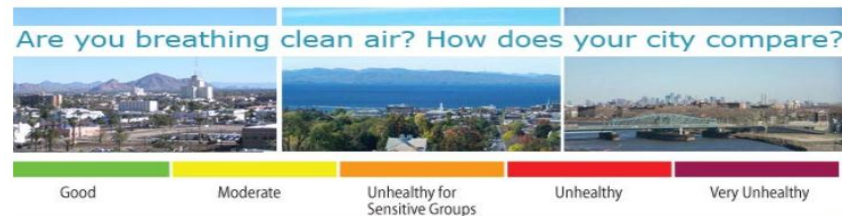


Lesson 3: Why is Ground-Level Ozone Monitored?

AirCompare



Name: _____

Period: _____

Date: _____

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

<i>State</i>	<i>Name of County</i>	<i>Number of Unhealthy Days</i>
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

<i>Counties</i>	<i>Number of unhealthy days</i>

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? _____

