Air Quality

The EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. (*from: http://airnow.gov/index.cfm?action=aqibasics.aqi*)

1. Take a walk around the school campus What activities do you see that might change the air quality, good or bad? Make a list:

2. Log onto Airnow.gov to see the current day's air quality forecast. Sketch the forecast for your area.

http://www.worldatlas.com/webimage/countrys/namerica/usstates/usa48out.htm

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3. Where is the worst forecast? Why do you think this would be the worst? Use three supporting facts from the website to support your hypothesis

4. Select AQI Loop- Why does the forecast change over time? When are the worst times? When are the best times?