

Name: \_\_\_\_\_

Period: \_\_\_\_\_

### **Air quality**

The economies of both India and China are growing very quickly. Unfortunately, increasing pollution emissions often accompanies growing economies. China now has the top ten most polluted cities in the world. Most of the pollution is caused by burning of coal as an energy source, and inadequate emissions controls in cars and trucks. China and India are exploring the use of renewable energy, however their tremendous need for energy leaves them with few options. The Natural Resources Defense Council's China Clean Energy Program estimates that China will need to add the equivalent of 300 mega-watt power plants every week for the next 45 years just to satisfy current demands (Time Magazine, April 3, 2006). Many are worried of another "great smog" occurring in China or another country dependent on coal.

**Investigate the air quality in another country. Choose a country you would like to explore and have it okayed by Mrs. Reese**

**For the city and country selected, prepare a 10-minute presentation that addresses the following:**

- Show the location of the city or region selected on a map. \_\_\_\_\_/ 5
- Describe the average yearly climate in that city or region. \_\_\_\_\_/ 5
- Describe how the government reports the air quality data, and compare that to the way the U.S. EPA reports air quality data. \_\_\_\_\_/ 5
- What are the "responsible pollutants" in the city or region? \_\_\_\_\_/ 5
- Are the pollution levels higher or lower than the levels that occur in Illinois? \_\_\_\_\_/ 5
- Are there any specific reasons that contribute to the city's or region's air quality issues? Are there stringent air quality regulations? Or no regulations? \_\_\_\_\_/ 5
- What are the main energy sources used in the country, coal, oil, natural gas, etc? \_\_\_\_\_/ 5
- Are there any current event news stories with respect to the country you selected that would impact air quality? \_\_\_\_\_/ 5

Total: \_\_\_\_\_/ 40

