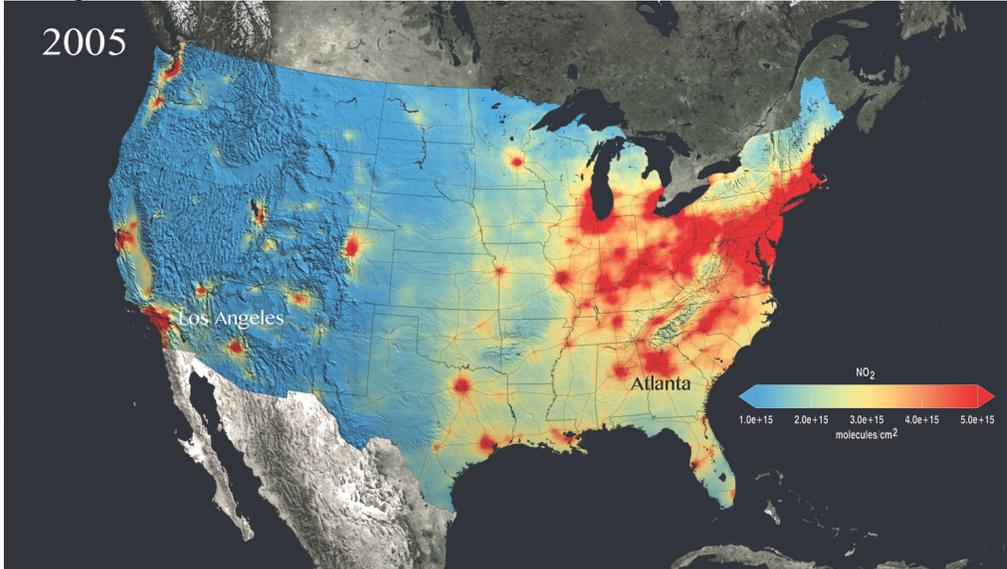


Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Bad Ozone: Activity 2**  
**Looking at Satellite Data: Understanding NO<sub>2</sub> Pollution Data Visualizations**

**Nitrogen Dioxide Concentrations in the United States in 2005**



Average tropospheric column concentrations of nitrogen dioxide as detected by the Ozone Monitoring Instrument on NASA's Aura satellite for 2005. Blue and green denote lower concentrations and orange and red areas denote higher concentrations, ranging from  $1e+15$  to  $5e+15$  molecules per square centimeter, respectively.  
Image credit: NASA Science Visualization Studio.

1. Name 3 states with high NO<sub>2</sub> concentrations.

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

2. Why might NO<sub>2</sub> concentrations be higher in Los Angeles, CA, than in Oregon to the north of California?

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3. Identify 3 states with low NO<sub>2</sub> concentrations.

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

4. What was the approximate concentration of NO<sub>2</sub> where you live in 2005?

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