## NAME/TEAM: \_\_\_\_\_

## **Basics of Atmospheric Modeling Prelab**

Last modified: June 17, 2014

## **Required reading:**

<u>AirUCI Manual</u>: Air PSE Lab <u>Environmental Chemistry Text</u>: Pages: 76–90, 136, 149, 150 and 764–771 on Photochemical Smog

(1) What environmental factors affect air quality modeling?

(2) How do people affect the air quality? Is the effect of people on air quality in major cities more significant than that of natural processes?

(3) What are the main molecular precursors to photochemical smog formation?

(4) If you had the authority to regulate atmospheric emissions of one chosen air pollutant, which air pollutant would you pick in order to have the largest impact on the air quality?