

## *Problem set 2—due Monday, September 13*

- 1) Give a brief (paragraph or so) description of the history, membership, and goals of your assigned organization. Then, explain your organization's position on your assigned Senate hearing. Remember to include citations where appropriate...
  
- 2) Answers should focus on the chemistry involved. Where possible, provide chemical equations, examples, or quantitative values to back up your explanations—be sure to include citations!
  - a. Describe the planetary greenhouse effect.
  - b. Explain how the planetary greenhouse effect is analogous to some familiar experience or phenomenon.
  - c. What do greenhouse gases do that other gases don't do?
  - d. Explain the effect of dust particles (aerosols) on global climate.
  - e. Describe the carbon cycle (a picture can be worth a thousand words!) and human impact on the carbon cycle in the last century.
  - f. What is the difference between the greenhouse effect, and global warming?