- 1. Using the Scantron that was provided, complete the 20 questions on Global Warming and turn in.
- 2. Lab & Webshop: Greenhouse Gases I (Dr. R's Lab Manual: pp. 13-20) See: http://chemconnections.org/general/chem120/Atmos-gases/

Find the assigned lab area for your group: A, B, C, D, E, F, G. Write the names of all group members on one copy of the Webshop form. Discuss and solve problems 1, 2, and 3 plus the one assigned to your group (4, 5, 6, or 7), which follows your group: eg. 4, which is Problem #4. Due beginning of next lab.

3. Electrolytes and Ionic Reactions pp. 14-19 DVC Lab Manual

Organize your group's individual tasks to complete all 4 parts of the experiment. Divide your group into teams, perform the procedures, record the results.

**Step 1:** Complete Part 1 pg.15. Use the opposite side of this page for the results. Turn in one copy with everyone's name at the end of today's lab.

Use pages 17-19 for the remaining report. 1 set per group with everyone's name. (Your lab notebook will not be necessary for this experiment.) These pages are due 1 week from today.

- **Step 2:** Write the *molecular formulas* of each of *the reactants only* followed by an arrow for Parts 2, 3 and 4, pp.17-19.
- Step 3: Complete experimental parts 2, and 3. Write *molecular formulas* following the arrows for the *products* in the chemical equations, which accurately reflect your observations, that is, observing bubbles, a gas (g), observing a precipitate, an insoluble salt (s) [Consult pg. 100 Dr. R's Lab Manual & Appendix C, pg. 93, DVC Lab Manual for solubilities.], detecting heat in the formation of water (l) such as in a neutralization reaction. Write *Net Ionic Equations* (NIE) for each of the observed reactions. [Refer to Appendix D: pp.94-97 DVC Lab Manual.]
- **Step 4:** Complete experimental part 4. Where no reaction is observed, write **NR** for the product following the arrow. As in Parts 2 and 3, write **molecular formulas** following the arrows for the **products** in the chemical equations, which accurately reflect your observations. Write **Net Ionic Equations** for each of the observed reactions only.
- Step 4: Turn in one set of the completed pages with everyone's name included for your group at the end of the next lab period. Also, each group member must have pp. 17-19 completed in their own DVC Lab Manual for pages not turned in.