



Science Agenda on Chemical Problems in the Environment

IMPERATIVES (You *must* do each of these...)

1. Select a chemical problem in the environment and
 - Define and describe the difficulties it presents
 - Be sure to discuss why, where, and to whom/what

Your choices are:

- Global warming/Greenhouse effect
 - Ozone depletion
 - Acid Rain
 - Air Pollution
 - Water Pollution (including thermal pollution and land/ground pollution)
2. Complete a map showing where the problem exists, what/who is affected by it, and the degree of impact
 3. Develop a talking paper that describes present and future solutions, as well as your recommendations.

NEGOTIABLES (You *must* do at least one of these...)

1. Determine the approximate costs of the problem of one badly affected region and develop a graphic that shows total costs and what makes the costs (for example: Health costs, clean-up costs, lost revenues from land, etc.)
2. Develop a timeline of the evolution of the problem over the last 100 years, including significant dates, and factors that contributed to the change. Take the timeline into the future based on your current understanding of trends associated with the problem.

OPTIONS (You may do one or more of these...)

1. Create a Gary Larson-type cartoon or an editorial cartoon that makes a commentary on the problem.
2. Prepare a fictionalized account, but based on scientific fact, of a person who lives in a badly affected area. Your goal is to put a human face on the problem.
3. Develop a 60-second public service announcement (taped) to raise audience awareness of the problem and introduce positive actions citizens might take to improve the prognosis for the future.