## Fall 2016: Chem 95Environmental Risk

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## Abstract

Our environment is a complex web of human development and natural beauty. How we interact with our technologies, food and each other may lead to chemical risks. However, gathering and understanding information related to **the** verity of risks due tonatural or synthetic chemicals complicatedIs it true that the chemicals in our soil, water, and air are making us sick, allergic, or prone to cancer? An introduction to basic chemical principles will be provided and then used to examine situations that are blatently problematic. Oner chemicals/reactions/hat are more ambiguouswill provide the opportunity for healthy debates and discussions.

<u>Pro/Con Discussion</u>You will work in small groups (23 students) for this exercise Initially, I will provide you with an articleon a topic. The article will be sourceford a national newspaper, scientific/medical journoal the internet. You will be required to read the paper consider your stance on the to (pipro/con)

Then, using this leadyou will need to find one othearticles supportingor contradicting the proposal Take this paper with you on our field trip to the Library. We discuss the authority of your paper and investigate good strategies for find other papers. You will then select two good articles that you feel help your argument and give these to your team mates will be required to read your teammates papes.

After debating the topiwithin your team I will ask you to presenthe key concernsaised by the authors and your teams' responses to the classWho was for a gainst and why?

Finally, you will each write a 23 page (cited) reportnothe topic, views held by the authors and the team's interpretations of the tension final piece will be an individually graded writing assignment.

Compelling Letter You will work individually on this topic.

Write a letter asking a company, person or public entity (city or state) to coasiblengeto a product or habit to be reduce environmental risk. Again this can build from either of the previous assignments or a new topic21pages. Cite your references.

Status Report You will work individually on this topic.

This will be a formal essate a pages, double spate normal margins, font size 1,2 porting on a topic from an assigned list of ten option instially presented in the pro/con discussion. The report will delve into the conflicting stakeholders, science of the problem **post** sible solutionsCite your references.

<u>GRADES:</u> ProblemSets (3 x 15pts) = 45pts Pro/Con Discussion/Paper =55pts(30ptsipeiper/**12**(5pt))8rpt/esewta(2s,6r94(0)n/422()P2-11/24