

Student Evaluation and Questions

Evaluation (16 points total)

1. (1 total point) Choose a question to answer that we did not answer in class (pick something you are interested in).
2. (1 total point) Write the question at the top of your assignment
3. (4 total points) Use 2 references and cite the information you got from each source (2 points), be sure not to plagiarize. One source can be from the internet the other must be from a credible published journal (2 points) (examples: Journal of climate, journal of atmospheric sciences, journal of the American Medical Association, New England Journal of Medicine, The Economist, other academic journals (media and policy))
4. (2 total points) Paragraph is between 200 to 400 words and is typed
5. (2 total points) Well written (spelling and grammar).
6. (2 total points) Write your own original ideas
7. (2 total points) It must be turned in on time (e-mailed to Lis (lis.cohen@utah.edu) and Jay (jay.mace@utah.edu) and cc:ed to yourself by 10:45 AM on April 23, 2008).
8. (2 point) You are present in class on Wednesday to share your paragraphs with the class.

Climate Change Mitigation 1.

- If the oil industry knows that oil is a finite resource why do they continue with the status quo? Do they know something we don't?
- Are there far more oil reserves than the public is aware of? What is there plan for the future?
- McNutt mentioned cargo ships being powered by a kite. How long will this travel take? Can one big kite really guide a multi-ton cargo ship?
- Why is it taking so long for modern-advanced energy source technologies? What can be done here?
- How feasible is the oil shale mine in Utah in supplying our demand for oil? Recently the news reported they found a very economical and energy efficient way of extracting it.
- How does natural gas and propane fit in to this equation of peak oil? Are they on the decline as well?
- Knowing our dependency on oil, how can we even hope to survive this crisis? Why haven't advancements in renewable energy come further along?
- Why doesn't anyone ever talk about reducing consumption?
- What are the scientists working on now to combat global warming?
- What are some possible solutions to the climate change dilemma?

Policy 1.

- Since we know that fossil fuels are a finite resource, why don't our government officials do something to implement a back up plan?
- Do they (policy makers) plan to wait until we tap out, with no prior arrangements having been made?
- Do they (policy makers) think that it just won't happen in their lifetime, so who cares?
- Why is this such a politically divided issue? In other words, why is this a liberal issue? It just seems the Democrats are for doing something about this while the Republicans are for not hurting the economy. There has got to be a happy middle right?
- What are some of the special interests in Washington that impede policy making?
- I am curious, will something actually be done or will it be just more talk but no action from politicians?
- Will the candidates for President make it a major issue going into the next election?
- How come Moab is able to have such strong support for the idea of Global Warming? Is it just the type of people who live there or is it something else?
- What if any are some of the actions the government has taken to reduce emissions?
- What are some possible solutions to the climate change dilemma?
- Where do prominent political leaders get their financial backing from?
- I wonder what might help accelerate the race against time, such as who could be assistants/advisors to local leaders? It's important to have experienced experts.

Policy 2.

- What do they mean by saying “Build Green: Carbon Neutral ?
- What do they mean by “Tax Global Warming pollution” ?
- Why doesn’t Utah already have the “Cleaner Cars, California Style” standard requirement?
- You are all (policy makers) talking about things we need to fix, like the layouts of our suburbs, but what are you doing to solve these problems? Mayor Becker even acknowledged that corporations have a stranglehold on the government and the people’s opinion comes second, so will local actions really lead to national ones? Why doesn’t anyone ever talk about reducing consumption?
- What are some global plans for this change?
- If this is such a widely accepted issue, then why are there so many who don’t believe it?
- If these plans go into affect, how sure are we that we will stop this climate change?

Other questions

What can we do? Can we do it?

Is there any hope for humanity?

Can we ever undo the damage we have done and will increased activism actually stop the warming or even cool the oceans back their original temperatures?

How can we get involved both individually and publicly to stop the massive abuse of the oceans?

What can we do about the CO₂ already in the atmosphere?

Does an acidic ocean have an effect on the climate, other than the biosphere?

With the oceans rising there will be a greater amount of ocean volume so; does this mean that the oceans will be able to absorb a greater volume of CO₂ from the atmosphere?

- Now that we know there is a potential problem with the ocean, what are we to do about it?
- Are ocean acidity levels really, going to affect the plants of the ocean in apocalyptic ways?
- Are our measurements of ocean acidity more or less human caused?
 - How far down the road will Ocean Acidification greatly impact our everyday lives?
 - Are the oceans our best bet in solving the problem of Global Warming?
 - If Ocean Acidification happened to it's extreme end, would we, as humans, be able to survive?
- She mentioned that a large group of plankton formed off the coast of New Zealand as a result of iron fertilization. How large was it? Where can I see this image myself?
- What other types of issues will the center for ocean solutions encounter?
- What kinds of experiments does the Aquarium have planned for the future?
- What are the time projections on our fisheries? How much time until we have squandered our last population of fish?