Content application exercise module #3 NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Due 3/6 at noon via D2L dropbox

Responses should be in your own words, well-stated, yet appropriately concise. Demonstrate your comprehension of the content and apply it to the questions below. A final space at the end is provided for you to raise any outstanding questions you may have that I can provide further guidance on for the class. The greater point value questions are expected to be completed with more length and detail while brief responses are acceptable for the lower point value questions.

1. **Briefly compare the long term environmental hazards associated with nuclear power and those associated with fossil fuels. *1 point***
2. **From your readings, identify three health concerns associated with fracking and the mechanism by which fracking is believed to contribute to ill health. *1 point***
3. **Describe the parallels in the US's handling of the Paris Agreement and the Kyoto Protocol. From your perspective, what do these parallels reflect in terms of US environmental policy? *1 point***
4. **From a review of peer-reviewed literature and other valid sources, identify the green energy alternative (ex: wind, solar, hydro, etc) you believe to hold the most promise for meeting Pennsylvania's energy needs and explain why this energy source is most feasible. Provide sufficient detail to ensure your rationale is well-understood and include a minimum of two citations. *4 points***
5. **Just any potential health and environmental impact of fracking is not yet fully understood, a number of other energy-related projects are underway/under consideration. Do some basic research on one of the following and identify the at least two key points held by those in favor and those against one of the following issues (you pick): Keystone XL Pipeline or Arctic National Wildlife Refuge drilling. Include at least two citations. *4 points***
6. **In part two of Toms River, Ciba-Geigy's influence and future begin to be undermined.  Briefly describe a community-level and a research-level influence that contributed to this change. What public health-related skills/competencies/professional positions were involved in advancing this change? *4 points***

**Identify your desired topic for your position paper below.  Know that topics must be sufficiently distinct from those of classmates so revisions may be requested.**

**Additional questions/topics of concern you would like me to address:**

\*Content will be discussed during our next meeting, to be held the week of /16 during office hours.