

Reaction Paper • Global Energy Dynamics

You've been exposed to many pieces of information about global energy resources in the past few weeks. It is my hope that you take time to consider these issues both personally and in terms of the science involved. Our global energy situation is a very complex web of interacting factors...few of which should stand independently of others.

This week, you've heard about several alternative sources of energy that may be becoming more prominent in the future as well as some cutting edge projects going on to promote energy efficiency.

I would like you to take some time to consider some of the implications of these issues. I'd like you to develop a reaction to this material, and express that in a written form.

Specifically, your reaction should involve the following components:

	<i>4 points</i>	<i>2 points</i>	<i>0 points</i>
Global oil resources. What is happening? Why it is happening, What you think of this issue.	<i>What, why, and your opinion are each expressed clearly.</i>	<i>Two of these are expressed (what, why, opinion) or expressed only vaguely</i>	<i>One or none of these are addressed.</i>
Describe your personal energy consumption habits. Had you considered them before? What surprises did you encounter?	<i>Your habits are described clearly. Both questions are addressed clearly.</i>	<i>Your habits are described. One of these questions are answered or neither are answered clearly.</i>	<i>Your habits are not described and/or neither question is addressed.</i>
What about the carbon output from your consumption? What changes will you consider making?	<i>Your carbon output data is described and broken down by sources (nat gas, gasoline, etc). Two or more possible changes are identified.</i>	<i>Your carbon output is described, but not clearly or not broken down. Only one possible change is identified.</i>	<i>Your carbon output is not described and/or possible changes are not described.</i>
XCEL Smart Grid. What are your reactions to seeing this concept portrayed?	<i>Your opinions about SmartGrid are clearly expressed. Describe two or more particular ideas that caught your attention and your reactions to these two or more ideas. Also react to the idea as a tool to improve efficiency for households.</i>	<i>Your opinions about SmartGrid are expressed, but only one significant idea is discussed. Your ideas about the idea as a tool are not addressed clearly.</i>	<i>Your opinions about SmartGrid have not been expressed and/or your ideas about the idea as a tool are not expressed.</i>
Alternative energy sources. What are your reactions to what you have learned about these resources?	<i>Your thoughts about alternative energy sources are clearly described. Identify one source that you expect is most likely to develop regionally... and express why you think this is.</i>	<i>Your thoughts about alternative sources are loosely described. One likely regional source is identified, but not explained.</i>	<i>Your thoughts about alternative sources are not described and/or a likely regional sources is not identified or explained.</i>

Length? Just enough to address these things!

Due? Wednesday, March 18th.

Please use our discussion board to talk with your classmates about these ideas!
www.mankatowest.org/koser and then "discussion area" on the left.