

Name: _____ Per. _____ Due: _____ /50 pts.

Structured Academic Controversy – How do we plan for a clean power future?

On Thursday/Friday you will participate in a structured academic controversy. You will be part of a group that advocates that the way forward for society is to invest heavily in one of the following power generation sources: Nuclear, Wind, Solar, Hydropower, or Natural Gas (Fracking). You will not know which power source you are defending/advocating for and which you are building a case against until you come to class. Use this guide to research the pro’s and con’s of EACH power sources.

			Research from the Textbook	
Nuclear	Advantages of this as an energy source		Disadvantages of this as an energy source	
	Notes on what this is (summarizing the process by which this generates energy):			
			Research from Outside Sources (include a citation)	
Good and Bad Examples of this Energy:	Advantages of this as an energy source		Disadvantages of this as an energy source	

			Research from the Textbook	
Wind	Advantages of this as an energy source		Disadvantages of this as an energy source	
	Notes on what this is (summarizing the process by which this generates energy):			
Good and Bad Examples of this Energy:	Research from Outside Sources (include a citation)			
	Advantages of this as an energy source		Disadvantages of this as an energy source	

			Research from the Textbook	
Solar	Advantages of this as an energy source		Disadvantages of this as an energy source	
	Notes on what this is (summarizing the process by which this generates energy):			
Good and Bad Examples of this Energy:	Research from Outside Sources (include a citation)			
	Advantages of this as an energy source		Disadvantages of this as an energy source	

	Research from the Textbook	
Hydropower	Advantages of this as an energy source	Disadvantages of this as an energy source
Notes on what this is (summarizing the process by which this generates energy):		
Good and Bad Examples of this Energy:	Research from Outside Sources (include a citation)	
	Advantages of this as an energy source	Disadvantages of this as an energy source

Select Research Resources:

Debate: Does the world need nuclear energy? This discusses the Pro's and Con's of Nuclear and Wind.

- http://www.ted.com/talks/debate_does_the_world_need_nuclear_energy?language=en

Sierra Club Fracking 101

- <https://www.youtube.com/watch?v=FuQNqm6dk2g>

NY Times – Facts on Fracking (PDF also on my website)

- http://www.nytimes.com/2013/03/14/opinion/global/the-facts-on-fracking.html?pagewanted=all&_r=0

Buried Secrets: Is Natural Gas Drilling Endangering U.S. Water Supplies? (PDF also on my website)

- <http://www.propublica.org/article/buried-secrets-is-natural-gas-drilling-endangering-us-water-supplies-1113>

Let's transform energy — with natural gas

- http://www.ted.com/talks/t_boone_pickens_let_s_transform_energy_with_natural_gas