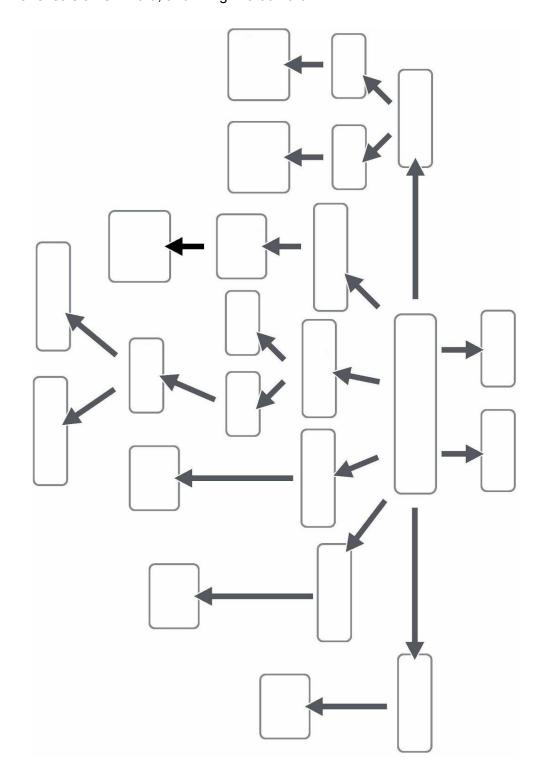
Bozeman AP Environmental Science | Big Idea #5 - Energy Resources & Consumption 028 - Renewable Energy

Nar	me: Block/Period: Date	
	udents: It is recommended that you watch the video with subtitles ON; be prepared to pause and rewind minutes long, but this worksheet will take you around ~30 to 35 minutes to complete. There will be a reviafterwards requiring you to record corrections AND summarize additional material / information	iew / discussion
Descrip	otion (-½ point for each time the rubric is not followed)	Point Value
Each question has been answered		0 ½ 1
Each question has been answered in a full sentence		0 ½ 1
Each ai	nswer has avoided 'it' or 'they' statements, by being clear on the topic of the answer	0 ½ 1
Review	x: Answers that were incorrect are corrected, in a different color	0 ½ 1
Discussion: 2 OR more summary statements of the additional material / information, in a different color		0 ½ 1
	Score	e:/5
2.	Describe why Wood is not a Sustainable form of Renewable Energy.	
3.	Describe what the principle problem is with Hydroelectric power.	

4. Listen to Mr. Anderson describe the various parts of the concept map, and pause after he reveals a new word, and filling in that word.



5.	Analyze why our civilization has been using Non-renewables rather than Renewables
6.	Describe when the Energy Returned Over Energy Invested (EROEI) becomes useful profitable.
7.	Define Biomass Energy.
3.	Explain the problems with using Biomass as a form of energy (easy ways that developing countries use).
Э.	Analyze why Ethanol (fermenting sugars) is a positive EROEI for places like Brasil.

10. Large Scale Hydroelectric has an EROEI of				
11. Describe the tending EROEI. i.	two types of Small Scale Hydroelectric power generation, giving their			
ii.				
12. Describe Pas	sive Solar Energy.			
13. Describe the i.	three types of <i>Active</i> Solar Energy.			
ii.				
iii.				
14. Describe Geo	othermal Power.			
15. Large Scale W	/ind Power has an EROEI of			

16.	Analyze why Hydrogen power would be the ultimate Renewable Energy (assuming we can find a clean way to make it).
17.	Explain why any change to Renewable forms of energy will take time regardless of economic incentives.