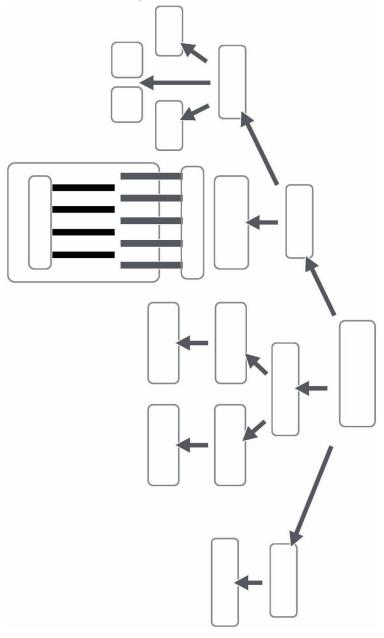
Bozeman AP Environmental Science | Big Idea #5 - Energy Resources & Consumption 025 - Nuclear Energy

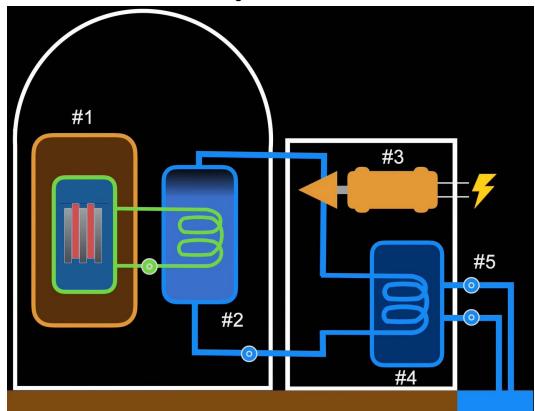
Nan	ne:	Block/Period: Date:		
	minutes long, but this worksheet	you watch the video with subtitles ON; be prepared to pause and rewind. T will take you around ~30 to 35 minutes to complete. There will be a review ou to record corrections AND summarize additional material / information.		
Descrip	Description (-½ point for each time the rubric is not followed)			
Each qu	Each question has been answered			
Each qu	Each question has been answered in a full sentence			
Each ar	ach answer has avoided 'it' or 'they' statements, by being clear on the topic of the answer			
Review:	: Answers that were incorrect are	e corrected, in a different color	0 ½ 1	
Discuss	Discussion: 2 OR more summary statements of the additional material / information, in a different color			
		Score:	/5	
2.	Fill-in & Describe the	INE Nuclear Disasters listed in the video.		
	Disaster Name	Description		
3.	Describe why Nuclear	Power is being revisited as a source of energy.		

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.	Explain the process of Fission in Uranium-235 that makes Nuclear Power possible.
6.	Analyze why the fuel rods are not completely made of Uranium-235, but are made mostly of Uranium-238.

7. Label & Describe the #'s in the diagram below.



	Label	Description
#1		
#2		
#3		
#4		
#5		

3.	Explain what we do with old (depleted) fuel rods.		
).	Define Half-Life.		
0.	Attempt & Calculate (BEFORE watching the solution) the practice Problem: a. Radium has a half-life of 1500 years. How long will it take for 240 kg of Radium to decay down to less than 10kg?		
1.	Describe what happens when the containment of the core fails.		
2.	Describe the repercussion to the local population if a core were to release radioactive elements to the environment.		

3. Explain why there may be more Nuclear Power plants in the future.					