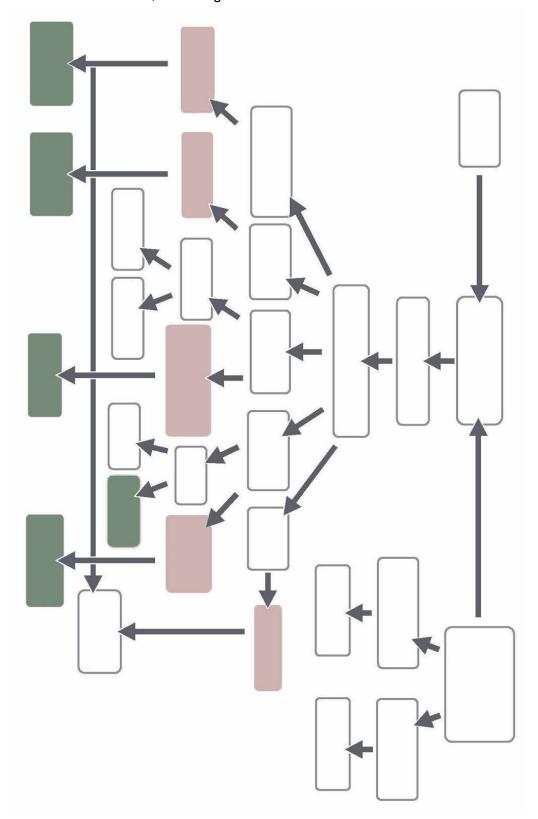
Bozeman AP Environmental Science | Big Idea #4 - Land & Water Use 016 - Agriculture

Name: _	Block/Period: Date:
Students	s: It is recommended that you watch the video with subtitles ON; be prepared to pause and rewind. The video is
~10 minute	es long, but this worksheet will take you around ~30 to 35 minutes to complete. There will be a review / discussion
	afterwards requiring you to record corrections AND summarize additional material / information.

Description (-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 answer has avoided 'it' or 'they' statements, by being clear on the topic of the answer	0 ½ 1
Review: 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:	/5



1. 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.



(historical) farming leads	to famine/starvation/etc.
l Farming does.	
	es of <i>Monocropping,</i> and Explain hoof agriculture.
Benefit	Disadvantage
	enefits and disadvantage dvantage of this method

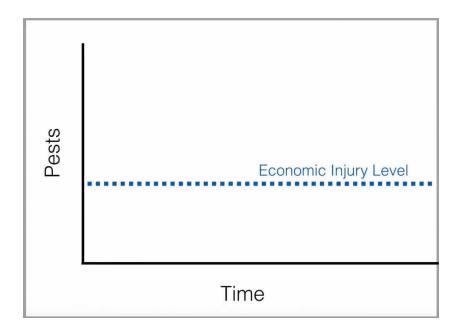
6.	Fill-in & Describe the benefits and disadvantages of Irrigation, and Explain how we can
	mitigate the disadvantage of this method of agriculture.

Description	Benefit	Disadvantage
		
How do we mitigate (fix) this	disadvantage?	

7. Fill-in & Describe the benefits and disadvantages of *Pesticides/Herbicides/Fungicides* (and other).

Benefit	Disadvantage
	Benefit

8. Fill-In the Economic Injury Level graph and answer the following questions.



- **9. Label** on the above graph when it is appropriate to use IPM (Integrated Pest Management) techniques.
- **10. List** mitigation techniques appropriate for IPM (Integrated Pest Management), and **Analyze** why these techniques would be effective.

Technique (method)	Analysis

11. Fill-in & Describe the benefits and disadvantages of *Fertilizers*, and **Explain** how we can mitigate the disadvantage of this method of agriculture.

Description	Benefit	Disadvantage
How do we mitigate	(fix) this disadvantage?	
Describe Genetically	Modified Organisms (GMOs	3).