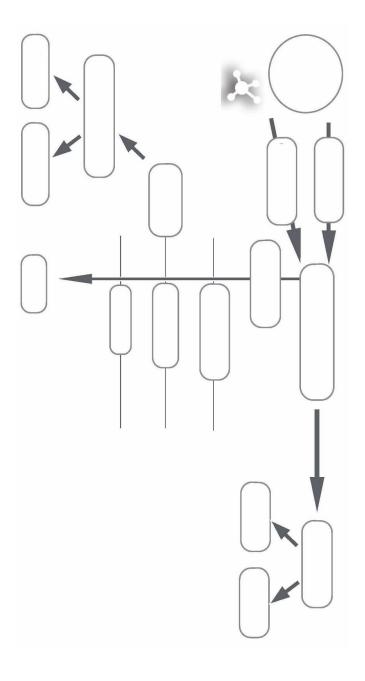
Bozeman AP Environmental Science | Big Idea #2 - Living World 008 - Energy Flow in Ecosystems

Name:	Block/Period: Date: _	
Students: It is recommended that you watch the video with subtitles ~10 minutes long, but this worksheet will take you around ~30 to 35 m afterwards requiring you to record corrections AND sum	<u>ninutes</u> to complete. There will be a review	
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 t	opic 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, <i>in a different color</i>	0 ½ 1
	Score:	/5
 The major energy source on our planet is the _ When we use energy we arestep along the way. 		at each

3. 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.



4.	Draw a diagram with labels showing Photosynthesis and Respiration, make sure to
	include the chemical formula for both. Then explain the processes in a paragraph below.

0	 	 	

5.	Draw a diagram with labels showing the Chemosynthesis of H_2S (Hydrogen Sulfide) and Respiration, make sure to include the chemical formula for both. Then explain the processes in a paragraph below.
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6.	Define Gross Primary Productivity (GPP).
7.	Define Net Primary Productivity (NPP).

8.	Explain why the Net Primary Productivity (NPP) of Earth shifts up and down on the globe from year to year (the green animation).			
9.	Explain why only 10% of energy is transferred from one level of the trophic pyramid to another.			
10.	Define Ecological Efficiency.			
11.	Define Standing Crop.			