

**Bozeman AP Environmental Science | Big Idea #5 - Energy Resources & Consumption  
 027 - Energy Reduction**

Name: \_\_\_\_\_ Block/Period: \_\_\_\_ Date: \_\_\_\_\_

**Students:** It is recommended that you watch the video with subtitles ON; be prepared to pause and rewind. The video is ~10 minutes 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
<i>Review: Answers that were incorrect are corrected, in a different color</i>	0   ½   1
<i>Discussion: 2 OR more summary statements of the additional material / information, in a different color</i>	0   ½   1
Score:	____ / 5

1. Humans on the planet use \_\_\_\_\_ of energy every year.

2. Define Energy Conservation.

\_\_\_\_\_

\_\_\_\_\_

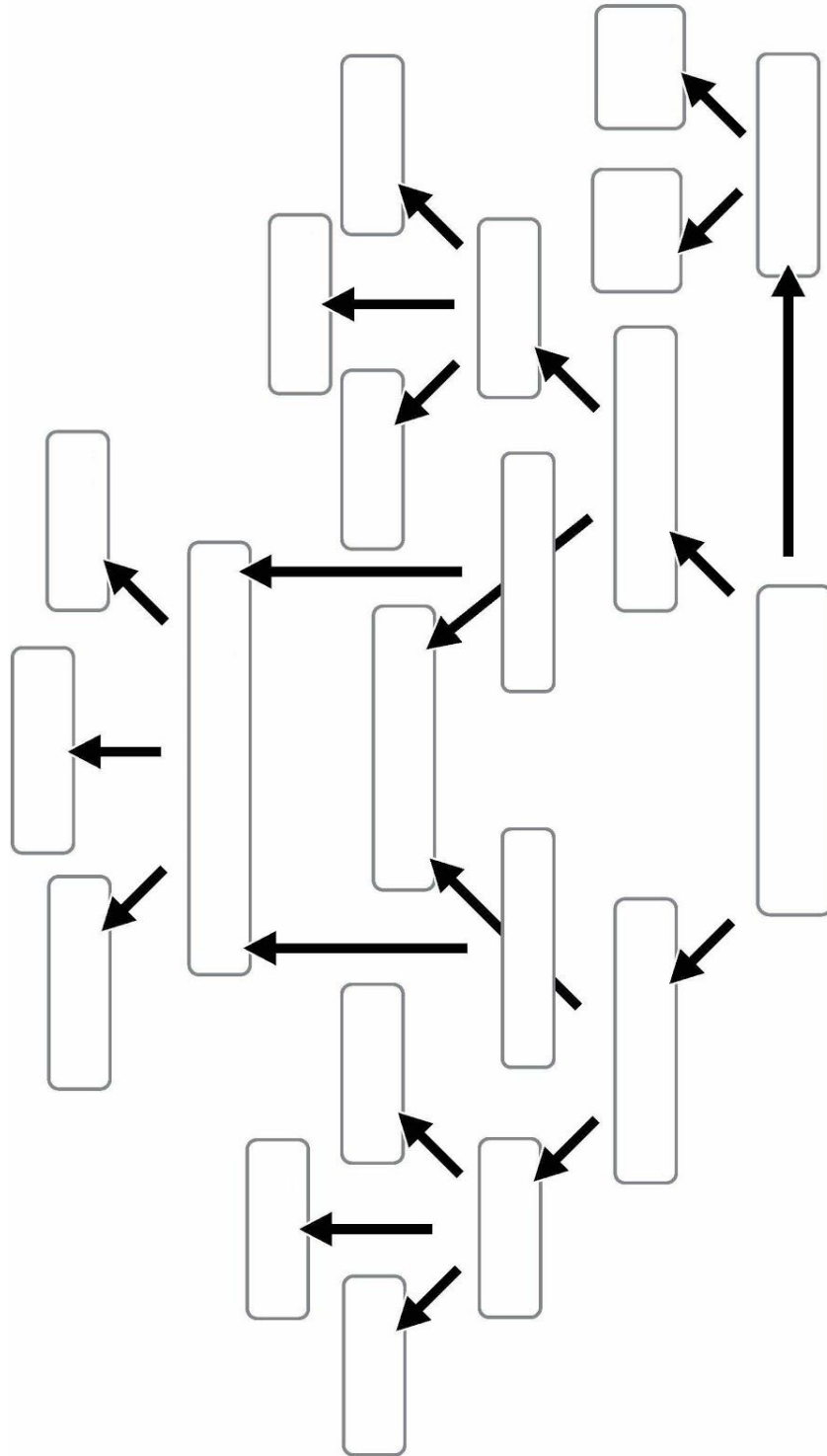
3. Define Energy Efficiency.

\_\_\_\_\_

\_\_\_\_\_



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. **Define** a Tiered System of energy cost.

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6. **Define** a Variable Pricing of energy cost.

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7. **Fill-in** the ways you could use Conservation and Efficiency in your lifestyle.

Conservation	Efficiency

8. **Explain** the Corporate Average Fuel Economy (CAFE) standards.

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9. **Explain** how Sustainable Design works with Passive Heating / Orientation when applied to a house.

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10. **Describe** Thermal Inertia.

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