

Bozeman AP Environmental Science | Big Idea #7 - Global Change
034 - Global Climate Change

Name: _____ Block/Period: _____ Date: _____

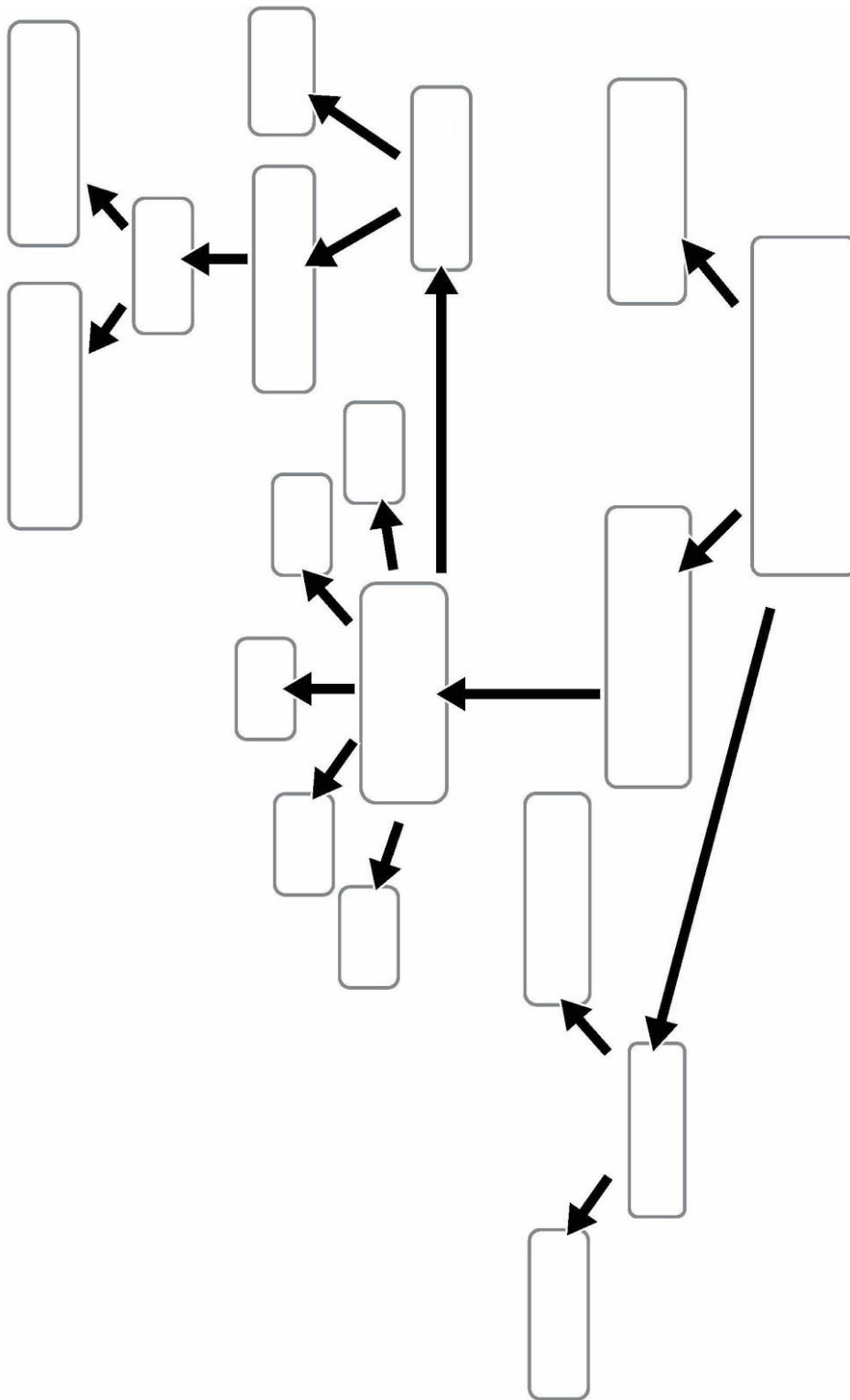
Students: It is recommended that you watch the video with subtitles ON; be prepared to pause and rewind. The video is ~10 minutes long, but this worksheet will take you around ~30 to 35 minutes to complete. There will be a review / discussion afterwards requiring you to record corrections AND summarize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

- The climate is affected by essentially two things, _____
 and the _____.
- The problem right now is the climate is _____.
- We haven't seen these levels (of CO₂) in the last _____.
- Describe** the outcome to the Kyoto & Paris agreements.



5. 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.



6. **Describe** how the Greenhouse Effect work.

7. **Describe** what happens to the molecules of the PhET simulation when the emissions are changed to Infrared.

8. **List** the Greenhouse gasses.

- i. _____
- ii. _____
- iii. _____
- iv. _____
- v. _____
- vi. _____

9. **Define** Anthropogenic.

10. **Analyze** the image of Earth during the 'Global Warming' slide. Where will the greatest changes occur? Why could that be?

11. List & Describe the Human Impacts of Global Climate Change.

- i. _____

- ii. _____

- iii. _____

12. Analyze why so many countries have not been willing to ratify legally binding treaties about climate change.

