

Bozeman AP Environmental Science | Big Idea #2 - Living World
009 - Ecosystem Diversity

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.

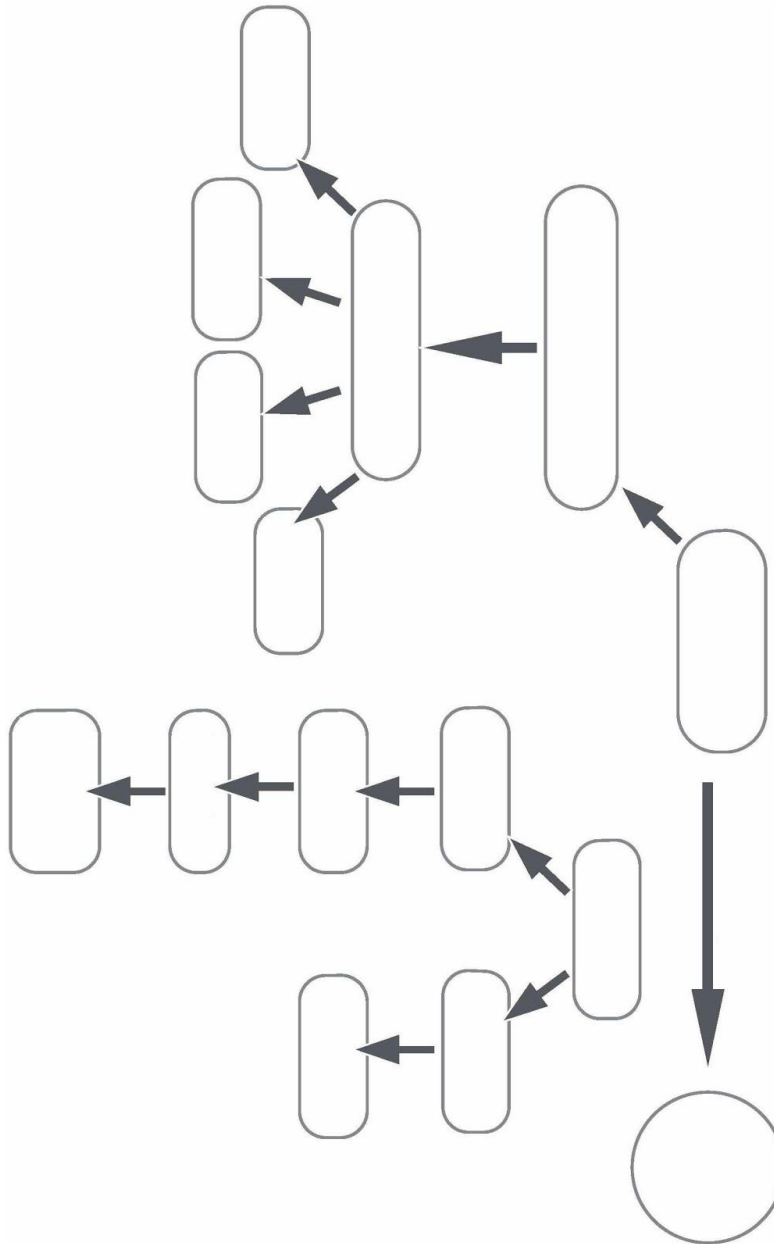
| Description (-½ point for each time the rubric is not followed) | Point Value |
|--|-------------|
| Each question has been answered | 0 ½ 1 |
| Each question has been answered in a full sentence | 0 ½ 1 |
| Each answer has avoided 'it' or 'they' statements, by being clear on the topic of the answer | 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. The Earth provides _____ for the _____ that is driven by _____ .

2. The world Gross Domestic Product (GDP) is: _____

3. **Define** Ecosystem Services.

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. **List** the 3 different ways that we can measure Biodiversity.

i. _____

ii. _____

iii. _____

6. **Define** Speciation.

7. **Define** Extinction.

8. **Explain** the analogy of bacteria for Natural Selection used in the video.

9. **Explain** the analogy of bacteria for Speciation used in the video.



10. We have had _____ Mass Extinctions over time.

11. **Describe** the '6th Mass Extinction'.

12. **Fill-in** the following chart for the 4 types of Ecosystem Services. **Describe** what each Ecosystem Service does for us.

| Ecosystem Service | Services that it provides |
|-------------------|---------------------------|
| | |
| | |
| | |
| | |

13. **Analyze** how your life would be personally affected if we lost one or more of these Ecosystem Services.
