Bozeman AP Environmental Science | Big Idea #6 - Pollution
030 - Water Pollution

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
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

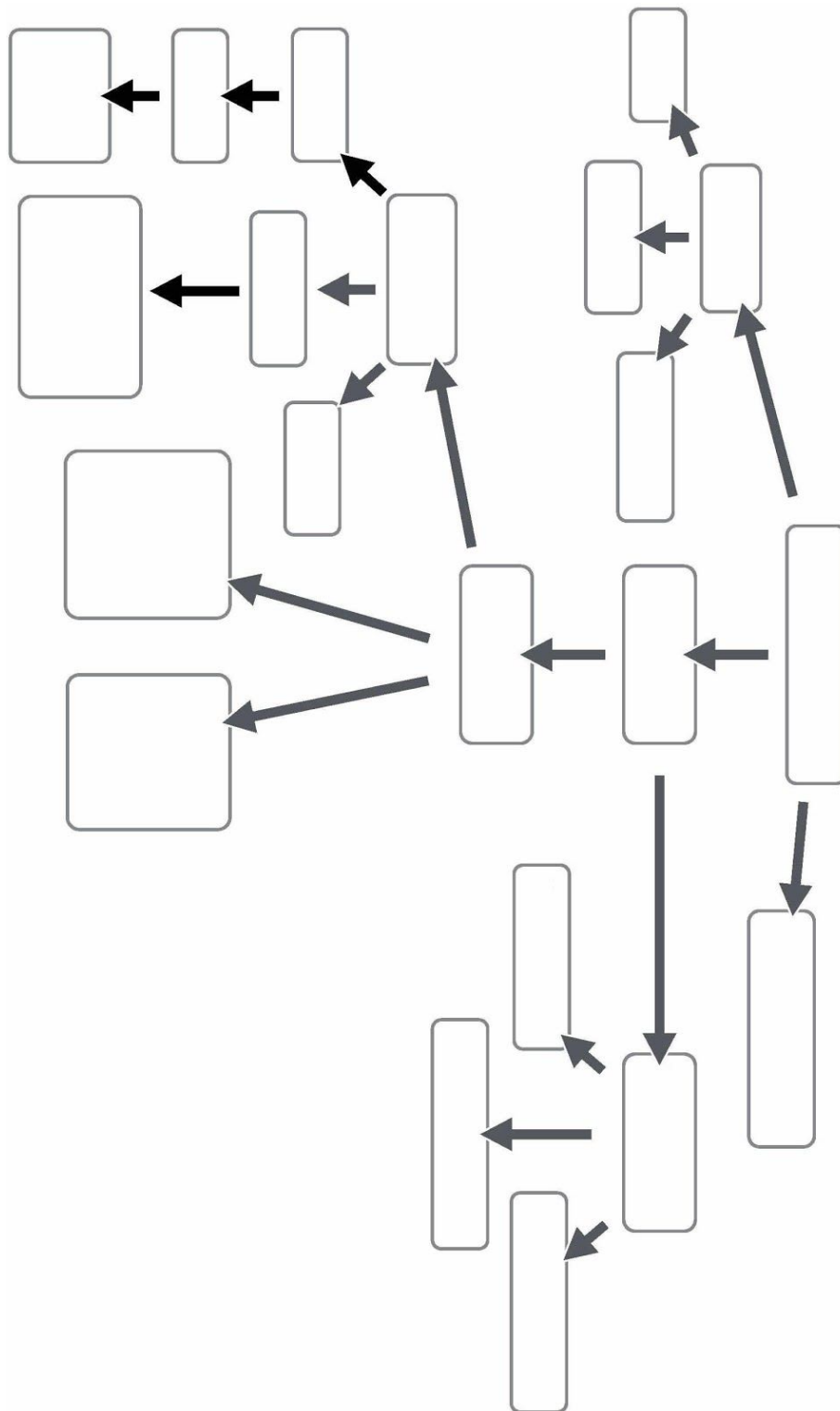1. **Describe** what happened to the Cuyahoga River in 1969.

    _____

    _____

2. 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.

3. Fill-in the following table for Categories of Water Pollution.

Name	Description
Point Source	
Non-point Source	
Groundwater	

4. The major pollutant is _____ or _____.

5. Explain how Biochemical Oxygen Demand (BOD) is used.

_____

_____

_____

_____

6. Fill-in the following table for the amount of BOD in the following systems.

Name	Description
Pristine River	
Polluted River	
Treated Sewage	
Raw Sewage (U.S.)	
Raw Sewage (Europe)	

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7. **Describe** why the Raw Sewage in the U.S. is such a lower number than the Raw Sewage in Europe.

_____

_____

8. **Define** Cultural Eutrophication.

_____

_____

9. **Define** Dead Zone.

_____

_____

10. **Explain** where most Dead Zones are found.

_____

_____

_____

_____

11. **Explain** why we would want to use an Indicator Species.

_____

_____

_____

_____

12. List the types of Chemical Pollutants discussed in the video.

      i.   _____

      ii.   _____

      iii.   _____

      iv.   _____

13. List the types of *non*-Chemical Pollutants discussed in the video.

      i.   _____

      ii.   _____

      iii.   _____

14. Draw & Explain how a Septic System works.

_____

_____

_____

_____

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15. Draw & Explain how Large Scale Sewage Treatment works.

_____

_____

_____

_____

16. Describe Water Purification.

_____

_____

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