

Bozeman AP Environmental Science | Earth Systems & Resources
005 - Water Resources

Name: _____ Block/Period: ____ Date: _____

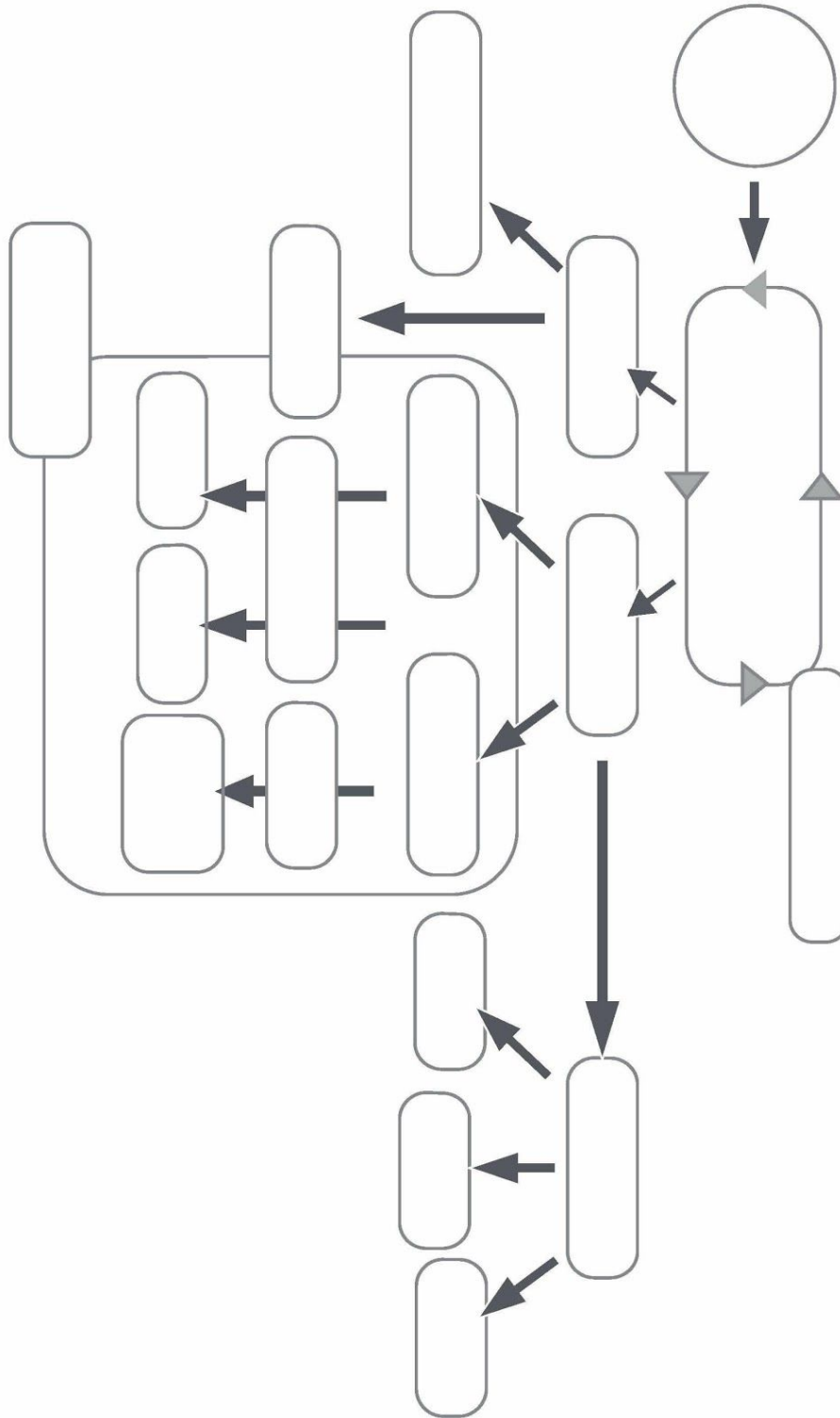
Students: It is recommended that you watch the video with subtitles ON; be prepared to pause and rewind. The video is ~10 minutes long, but this worksheet will take you around ~30 to 35 minutes to complete. There will be a review / discussion afterwards requiring you to record corrections AND summarize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

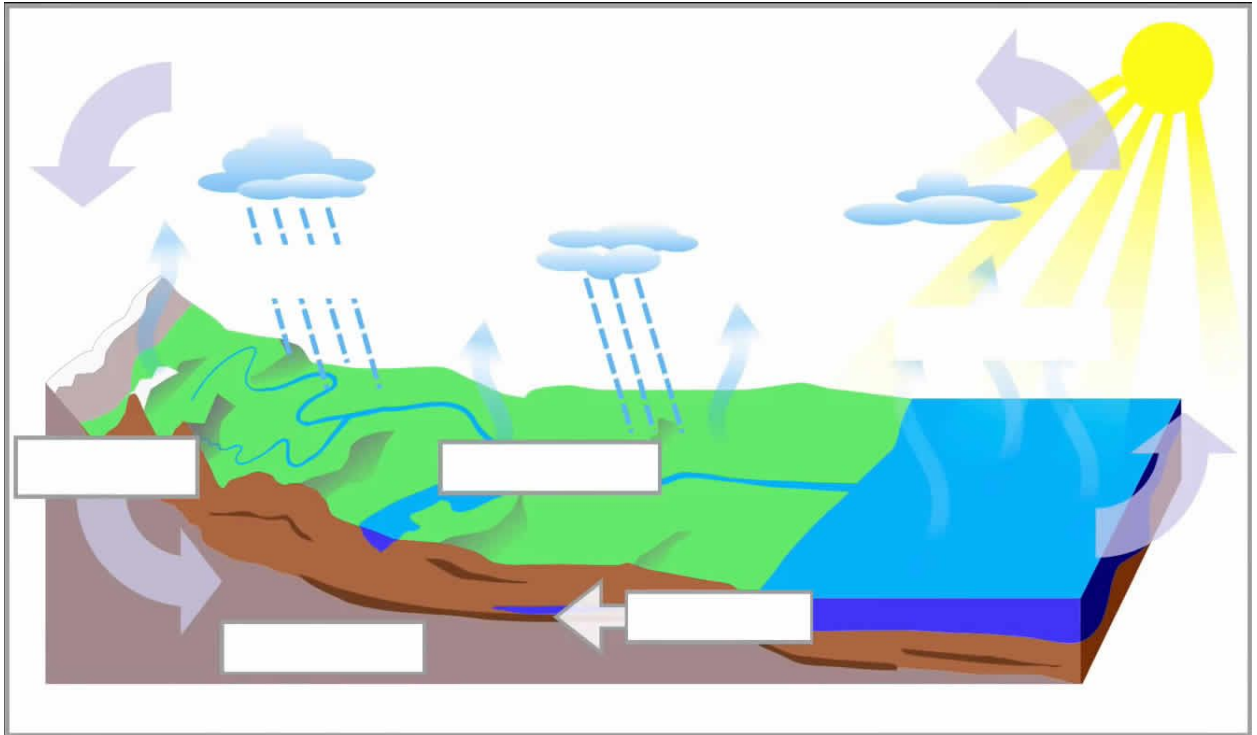
1. **Describe** why most of the freshwater on Earth is non-consumable for humans.



- 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. 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.



- a. **Explain** infiltration vs water table.

4. **Explain** why ocean water near the equator has a *higher* salinity than the water that is near the poles.

5. **Analyze** why people used to be able to dig wells into the ground and they would fill up with water.

6. **Explain** how we would access the water in a confined aquifer.

7. **Define** the term Recharge (referring to aquifers).

8. **Draw & Label** a pie-chart of how we use our water.

9. Define a Reservoir.

10. Fill-in the Pros vs Cons of building reservoirs.

Pro-	Con-

11. Analyze what will happen to the Northern Ogallala Aquifer vs the Southern Ogallala Aquifer if we make no changes to our usage.

12. **Fill-in** the chart for the 4 types of irrigation. Make sure to **describe** each type.

Name	% Efficiency	Description

13. **Explain** the two most common types of Desalination.

- i. _____ - _____

- ii. _____ - _____

14. **Explain** how we can encourage people to use less water.
