

1. What do you think? Select the correct answer: a, b or c.

- I. How many people can count on running water in the world?
a) 7 out of 10 b) 5 out of 10 c) 2 out of 10
- II. Few cities are experiencing a potential shut off of water supply.
a) True b) False
- III. By what year have researchers predict that countries will become water-stressed?
a) 2025 b) 2030 c) 2040



2. Fill in the gaps with the words from the box.

Existential Inflection Arid Bountiful Absurdly Embedded Scarce

1. There is an incorrect perception that water is available in amounts.
2. We are at an point where if we're not careful we may not have water anymore.
3. 98% of water is in all the ingredients that were used to make a bottle.
4. Because water is priced below its value, humans use water in wasteful ways.
5. As water becomes more, we may have to turn to new ways to find clean water.
6. Growing water-intensive crops should not be done in climates.
7. Mexico City is facing an water crisis.

3. A simile uses "like" or "as" in a sentence. Eg. She runs as fast as a cheetah. Eg. She is tall like a giraffe. Explain the use of this simile in the video: "Groundwater is like a savings account."

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A metaphor makes a direct comparison. Eg. The snow is a white blanket. Create two of your own similes or metaphors to describe the following global issues:

1. Rate of water depletion:
2. Competition for water:
3. Unfair access to water:

4. Draw a cross-sectional diagram of groundwater.

Include and label these parts: **aquifer, surface, well pump** and color in the part that has **water**.



Explain what happens when we use groundwater.	Effect #1: Groundwater depletion	Effect #2: Sinking
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5. Fill-in the proportion of Liquid Freshwater use on Earth and give some examples:

Personal use =%

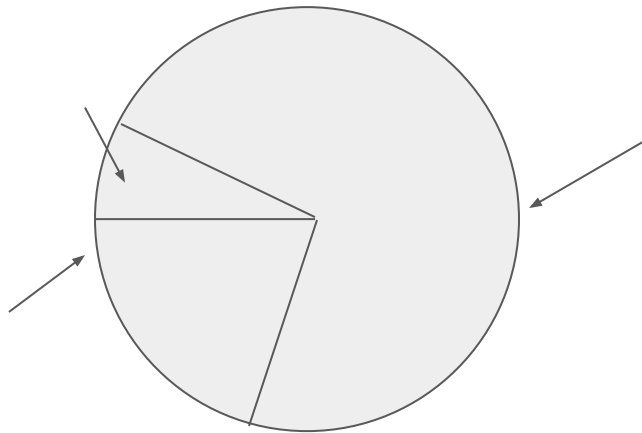
Examples:

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Industry use =%

Examples:

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Agricultural use =%

Examples:

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6. The video highlights the number of liters of freshwater required to make common everyday items such as soft drinks, coffee, and meat. Explain the concept of “embedded water”.

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7. Please answer the following questions after you have finished watching the video:

A. What are two benefits of valuing water at a higher price?

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B. What is the problem with letting governments regulate access to water such as the opening of the brewery by Constellation Brands in Mexico City?

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C. Explain the connection between water scarcity and war and give examples:

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D. Why do we desalinate water and what are some obstacles that we are facing in using this method?.

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E. In terms of water, what does it mean to “value an invaluable resource while ensuring that everybody has access to it.”

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8. Essay and Discussion Questions

1. Is it ethical to charge everyone on the use of water-based on your level of income similar to what governments in Philadelphia (U.S) started to do in 2017?
2. What methods or policies can governments introduce to ensure that all individuals in society will conserve and use water in sustainable ways?
3. The UN recognized access to water and sanitation as a human right in 2010. Propose 1-2 new methods in valuing water so that both the rich and poor can have access to it.
4. Compare the benefits and disadvantages of using surface vs. groundwater.
5. Research a few organizations that are using or developing technologies to desalinate water and advise whether the advantages outweigh the costs of using this technology.