Explained: The World's Water Crisis (Netflix Series)

What do you think? Read statistics and choose your answers: a, b or c.

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

Few cities are experiencing a potential shut off of water supply.

a) True b) False

By what year have researchers predict that countries will become water-stressed?

b) 2025 b) 2030 c) 2040

Fill in the gaps with the words from the box.

Inflection	Absurdly	Bountiful	Scarce	Embedded	Existential	Arid

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 actually embedded 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.

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: .....
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2. Competition for water: .....
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3. Unfair access to water: .....
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LIVEWORKSHEETS

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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/ Aquifer depletion	Effect #2: Sinking

Fill-in the proportion of Liquid Freshwater use on Earth:

…… = ….%

Examples:

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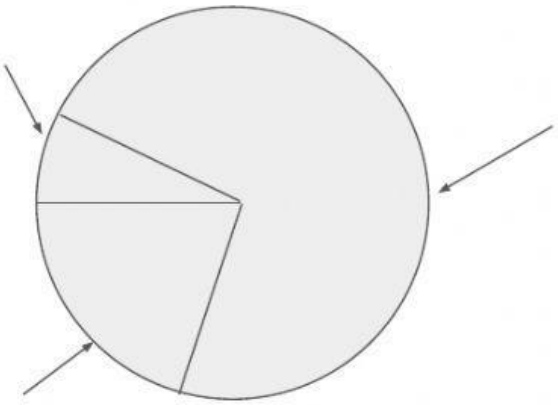

…… = ….%

Examples:

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Examples:

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The video highlights the number of litres 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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LIVEWORKSHEETS

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What are two benefits of valuing water at a higher price? .....
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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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Explain the connection between water scarcity and war and give examples:.....
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Watch the video segment from 4:50 - 0:00 and answer the following questions.

Why do we desalinate water and what are some obstacles that we are facing in using this method?.
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What does it mean to "value an invaluable resources while ensuring that everybody has access to it."
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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.

LIVEWORKSHEETS