

Name: _____ Date: _____ Period: _____

The Last Drop - India's Water Crisis

<https://www.youtube.com/watch?v=8sMt6rvop2Q>



1. What are the 5 R's of water?
2. Water use has been growing at _____ the rate of population growth
3. More than _____ Indians do not have access to sufficient water.
4. _____ of people in India may not have access to drinking water by 2030
5. Sangam Vihar, the largest unauthorized colony in Asia, has one tap for every _____ households
6. Where do the tankers get water?
7. Sohra has lost _____ of its forest cover and received _____ of the rainfall it used to in the 1970's
8. Relentless _____ has destroyed the landscape
9. In Aizawl, 500km from Sohra, they capture _____ to satisfy their water needs
10. On average women in rural India carry _____ of water on their heads 6-9 hours daily
11. In 2016, _____ people in India were affected by drought
12. At one point, Punjab was considered India's _____
13. India is the largest user of _____ in the world
14. _____ of agriculture relies on groundwater
15. In parts of Punjab, the rate of _____ is almost twice the rate of _____ through rainfall
16. Per year, India uses _____ of groundwater a year. That is more than the United States and Australia use combined.
17. Florite poisoning is caused by _____
18. Florosis can lead to severe _____ problems, stunted growth and mental disability.
19. In India's richest state Maharashtra, members of the community came together and built what?
20. What was the result of this work?
21. More than _____ of the nitrogen and fertilizer sprayed goes into the drinking water, causing high rates of cancer.
22. Over _____ cancer patients visit ATRCC daily and of these over _____ are from Punjab.
23. _____ industrial units discharge their effluents directly into the Yamuna River
24. The dissolved oxygen level of the Yamuna River is _____ which means it is dead.
25. _____ is a heavy metal that is very high in the water that irrigates crops. This causes gastrointestinal issues.
26. The _____ and _____ are ranked among the world's 10 most polluted rivers
27. Everyday there are _____ point sources of pollution
28. _____ of domestic water pollution is due to untreated waste
29. Only _____ of urban neighborhoods in India have organized waste collection systems. The rest, simply dump their untreated waste in the open.
30. How do trees help capture water for the environment?

Research

Create a slide show on any country other than the US and India regarding how they are facing water scarcity. Be sure to cite your sources of information on a works cited slide at the end of the slideshow. This slide show should be a minimum of 5 slides with at least 5 relevant pictures and/or maps.

Slide show should include:

- name of country
- population of country
- sources of freshwater? groundwater or surface water or other
- identify aquifers and rivers where drinking water comes from
- Identify 5 major cities that are facing drought or water scarcity issues
- Identify what that country is currently doing to conserve water
- provide a works cited page in MLA format, one source minimum
- 5 slide minimum length
- 5 related pictures and/or maps

Slideshow Rubric

Requirements	0-1	2-3	4-5
Country	Country not named, student chose US or India	n/a	Country is listed
Population	No population given	Population not specific	Population specifically listed, most current number possible
Source of freshwater?	No source provided	Source is mentioned by not given a specific name	Source of country's water listed and explained
Aquifers/Rivers/lakes, etc	Aquifers/rivers/lakes not listed	Aquifers/rivers/lakes listed but not with location	Aquifers/rivers/lakes listed with specific names and locations
5 major cities	0-2 cities listed or cities that are listed are not in the researched country	3-5 cities listed, in country researched	5 major cities listed, in the researched country that are facing water scarcity
Water Conservation Efforts	0-2 of the 5 cities water conservation efforts explained	3-4 of the 5 cities water conservation efforts explained	Each of the 5 cities water conservation efforts explained
Works Cited	No works cited slide		Slide specifically for works cited, MLA format
5 slide minimum	0-2 slides	3-4 slides	5 or more slides

Pictures	No pictures included or pictures are not related to topic	1-3 pictures included	5 or more pictures, all related to topic
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Answer Key

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1. -respect –reduced use –reuse –recycle –restoration
2. Twice
3. 78 million
4. 40%
5. 10
6. Groundwater wells
7. 50%, 1/3
8. Mining
9. Rainwater
10. 30-40 liters
11. 330 million
12. bread basket
13. Groundwater
14. 60%
15. groundwater extraction, recharge
16. 251 cubic kms
17. dependence on groundwater
18. Skeletal
19. water shed structures to capture rainwater
20. water filled the pond and water sheds, helped improve agriculture
21. 90%
22. 200, 40%
23. 359
24. 0
25. Iron
26. Ganga, Yamuna
27. 33
28. 80%
29. 60%
30. they absorb water and help the soil retain it