

Name: _____ Date: _____ Period: _____



[The Water Crisis | National Geographic](#)

Viewing Guide

1. Los Angeles uses _____ gallons of water a day.
2. You use _____ water than washing dishes by hand.
3. Average shower length for an American is 8-10 minutes long which is _____ gallons of water.
4. The San Francisco Bay is home to _____ species that are endangered.
5. The orca whales are endangered because of the lack of _____
6. In a typical year, _____ of the fresh water that should flow into the bay is removed before it can get there.
7. In the winter and spring, normally the top layer of water in the bay would be _____ water.
8. An _____ is where ocean and freshwater mix and create a "underwater nursery".
9. Flow reduces in shower heads can save up to _____ gallons of water a day
10. If everyone in the US reduced their water consumption at home by 30% we would save _____ billion gallons of water a day
11. What is the name of the dam that blocks the Colorado river? _____
12. How long has the Colorado river been experiencing a drought? _____
13. _____ are minerals left behind that show that the lake drops.
14. When did Las Vegas begin to grow? _____
15. How has the oldest golf course in Las Vegas changed to be able to stay?
16. About _____ of the water once beneath Kansas is already gone
17. The tree rings indicate that 20 years is a long drought but that the longest drought they observed was _____ years
18. Every pound of beef we eat requires _____ gallons of water to produce
19. Cattle farming is responsible for _____ of the rainforest deforestation.
20. Instead of growing desert friendly plants, Arizona is growing _____ which is a water heavy crop.
21. Now that they grow white Sonoran wheat, they have cut their water consumption by _____
22. How many gallons of water are required for a t-shirt?
23. Pheonix, Arizona gets _____ inches of water a year.
24. A waste water treatment plant created a wetland to _____ the aquifer.
25. Why did the landscapers bury logs under the rain garden?

Create a persuasive essay centered around convincing a local industry to use less water. Some suggestions:

- convince a golf course to increase aquifer recharge by installing more porous surfaces other than grass
- convince a Restuarant to have meatless Mondays, shows the impact of beef on groundwater
- persuade a landscaping company to start advertising rain gardens
 - Convince a construction company to use porous surfaces when building
 - Create a poster for a consignment shop/thrift store to show customers how much water they save by purchasing pre-owned clothing

The Water Crisis: National Geographic

1. 1.5 billion
2. More
3. 20 gallons
4. 6 species
5. Lack of salmon/food
6. 50%
7. Fresh water
8. Estuary
9. 10 gallons
10. 8.5 billion gallons
11. Hoover Dam
12. 20 years
13. Bath tub rings
14. 1990's
15. Soil sensors, recycled water, using only exactly how much water is needed
16. 30%
17. 60 years
18. 1800
19. 90%
20. Cotton
21. 50%
22. 700 gallons of water
23. 8 inches
24. Replenish
25. to add nutrients and add holes to the soil

Persuasive Essay Rubric

	<u>Not Meeting</u>	<u>Approaching</u>	<u>Meeting</u>	<u>Exceeding</u>
<u>Intro</u> Students will be able to produce clear and coherent writing, in which the development organization and style are appropriate to the audience. (CCS 6.4)	The claim is missing.	The claim is not clearly written.	The claim is clearly written.	The claim is clearly written. Essay uses questions and/or a personal story to hook the reader
<u>Reasons</u> Students will be able to write arguments to support claims with clear reasons and relevant evidence. (CCS 6.1 a-e)	Essay includes no reasons or reasons are unconnected to the claim.	Essay includes less than three reasons and/or reasons are unclear.	Essay includes 3 or more clear reasons.	Essay includes 3 or more clear reasons and a counter-claim.
<u>Conclusion</u> Students will be able to produce clear and coherent writing, in which the development organization and style are appropriate to the audience. (CCS 6.4)	Conclusion fails to restate the claim.	Conclusion restates the claim	Conclusion summarizes all reasons given, restates the claim.	Conclusion summarizes all reasons given, restates the claim, and has a call to action.
<u>Structure</u> Students will be able to produce clear and coherent writing, in which the development organization and style are appropriate to the audience. (CCS 6.4)	Essay is not written in paragraph form.	One or more paragraphs are less than 4 sentences long.	All paragraphs are at least 4 or more sentences long.	N/A
<u>Transitions</u> Students will be able to produce clear and coherent writing, in which the development organization and style are appropriate to the audience. (CCS 6.4)	Essay is missing more than one transition.	Essay is missing a transition.	Essay includes transitions for every reason and the conclusion.	Essay includes transitions for every reason, the conclusion, and shift in examples/thinking.
<u>Spelling/Grammar</u> Students will be able to plan, edit, re-write, revise, and reapproach their writing. (CCS 6.5)	Story has many spelling, grammar and punctuation errors make reading impossible/very frustrating. 9 or more errors.	There several spelling, grammatical or punctuation errors in the story, which makes reading and understanding it challenging. 7-9 errors.	There are few spelling, grammatical or punctuation errors which slow the reader down and make it difficult to understand. 4-6 errors.	The story has correct spelling, grammar, and punctuation. Less than 3 mistakes.

