

Name: _____ Date: _____ Period: _____

The Flint, Michigan Water Crisis - Case Study Project

Directions: Use the sources below to answer the case study questions. Be thorough!

Sources

2011 Case Study on Flint MI - https://www.cityofflint.com/wp-content/uploads/Reports/MSUE_FlintStudy2011.pdf

Flint Water Crisis- Lead in the Water - <http://www.compoundchem.com/2016/01/25/flint-water/>

Science Based Medicine vs. The Flint Water Crisis - <https://www.sciencebasedmedicine.org/science-based-medicine-versus-the-flint-water-crisis/>

Why is it possible that Flint River water cannot be treated to meet Federal Standards? - <http://flintwaterstudy.org/2015/08/why-is-it-possible-that-flint-river-water-cannot-be-treated-to-meet-federal-standards/>

A Timeline of the Water Crisis in Flint - <http://abcnews.go.com/US/wireStory/timeline-water-crisis-flint-michigan-36419075>

Flint Water Crisis: What is Being Done to Help Children Exposed to Lead? <http://abcnews.go.com/Health/flint-water-crisis-children-exposed-lead/story?id=36376739>

This is how toxic Flint's water really is https://www.washingtonpost.com/news/wonk/wp/2016/01/15/this-is-how-toxic-flints-water-really-is/?utm_term=.7cf0b3f28403

What Did the Governor Know About Flint's Water, and When Did He Know It? - http://www.theatlantic.com/politics/archive/2016/01/what-did-the-governor-know-about-flints-water-and-when-did-he-know-it/423342/?utm_source=SFFB

Case Study Questions

1. What is the current population in Flint, MI? How many women, men, & children live in this area? Describe the socioeconomic status of the population.
2. Since the 1940s, has the city seen an increase or a decrease in population? Why?
3. Is the city currently under financial stress? Why or why not?
4. Why did the governor of Flint move the city's water supply from Lake Huron to the Flint River?
5. Historically and currently, how has the Flint River been used? Is this river currently polluted and undrinkable?

6. What happens to the Flint River water as it goes through the city's pipes? Why? (This answer needs to be explained using chemistry!)
7. How could the Flint water problem have been prevented?
8. What contaminants are found in the tap water in Flint? What is/are the limit/s of exposure set by the EPA in drinking water?
9. How has using the water in Flint affected the local population? (What has the population reported happening by using the water?)
10. What are the effects of exposure and ingesting the reported contaminants in adults? in children?
11. Is Flint's problem an economic problem? What is Flint planning to do to correct the problem? What needs to be done to correct this problem? What are some obstacles that Flint faces in resolving the water crisis?
12. What implications does this crisis have for older cities across the US? What can be done to stop a water crisis from occurring in other cities? What are the obstacles cities face?
13. What is being done to help children who have been exposed to lead?
14. What other questions do you have about the Flint water crisis?
15. What did you find interesting not listed above? Describe!