



Chemical Valley

Case Study

Issue

- **Why is knowledge about chemicals and chemical reactions important to everyone in society?**

Word Choice

and Connotation The emotions and feelings associated with words.

The audience clapped when the president announced his new plan.

Seemed content

Showed approval

Cheered and applauded



Article

- Take a minute to read through the article provided.
- https://granderie-my.sharepoint.com/:f:/g/personal/jennfaul_granderie_ca/EsyvQmsA6GhLmgBEZ9ZyGXwBKylVsLe8ZO6mtpNRmINUfQ?e=6ceggjg
- Reread the article with question 5 in mind... make some jot notes for this...

- Justifying conclusions
- Identifying bias

Ada Lockridge and the Chemical Valley

Issue

Why is knowledge about chemicals and chemical reactions important to everyone in society?

Background Information

Chemicals play an important role in business in Ontario. Ontario's chemical industry directly employs over 50 000 people, who created and sold products worth over \$22 billion in 2008. In addition, almost two dozen manufacturing sectors depend on the chemical industry, including food processing, aerospace, alternative energy, automotive, chemical manufacturing, environmental services, pharmaceuticals, and mining. Therefore, the chemical industry has had many positive effects on Ontario's economy.



Figure 4.19 Ada Lockridge

In 2005, in the well-known journal

Video...

- https://youtu.be/UnHWZE0M_-k

Research

- In order to think about this topic in an informed way and not just an emotional way you will need to conduct some research. Use some of the links as a starting point...
- They are on-the-line.... At learninghood.ca

Assignment Part One

Video or Podcast

- Answer the question posed under the heading “Issue.” Support your answer using the information in this activity.
- This will be posted on our class Flipgrid.
- You will need to post one of your own and then you will respond to two others... using good discussion skills.

Assignment Part Two

- Put your answers to this in the comment section below this post...
- Would you expect an employee of a chemical plant to come to the same conclusions about the health problems on the Aamjiwnaang First Nation Reserve as Lockridge and her colleagues? Why?
- Environmental Health Perspectives is a peer-reviewed journal. A peer-reviewed journal is one in which expert scientists must review and approve research before it is published. Do you think it was important for Lockridge and her colleagues to publish their research in a peer-reviewed journal? Why?