




ARTICLE: 'What is the fuss about fracking?'

- 1) READ...  [Article - What is the Fuss About Fracking.pdf](#)
- 2) Complete...  [Worksheet - Weigh the pros and cons on fracking.pdf](#)
- 3) Discussion...  [HOMEWORK - Crossword on Fracking.pdf](#)

JUST TALK ABOUT IT


Consider the following quote:

"We want to know and track the changes that we see, because at this point we have anecdotal evidence from our land users, and our elders and our trappers. But government and science don't listen to us because we don't have the rigorous methods that they require to make a decision." - Lana Lowe, Fort Nelson band lands director, on the band's concerns over the quantity of water withdrawn from local rivers and lakes for fracking and its demand that the government take more precautions before awarding water licences to companies for natural gas fracking.

- a) What is your understanding of the term 'anecdotal'? Of the term 'rigorous'?
- b) Summarize the meaning of this quote using your own words.
- c) Respond to this quote. For what reasons do you sympathize with the speaker's predicament? For what reasons are you not sympathetic? Explain.
- d) As you see it, what information should the government consider when making decisions about whether or not to grant water licenses for fracking?

What's the Fuss About Fracking? (Reading)



 Animation of Hydraulic Fracturing (fracking)



SCIENCE, TECHNOLOGY AND THE ENVIRONMENT

WHY THE FUSS ABOUT FRACKING?

WEIGH THE PROS AND CONS

1. Using the information in the article and your own thinking, what are some of the reasons for and against natural gas hydraulic fracturing? Give specific details to back up each point.

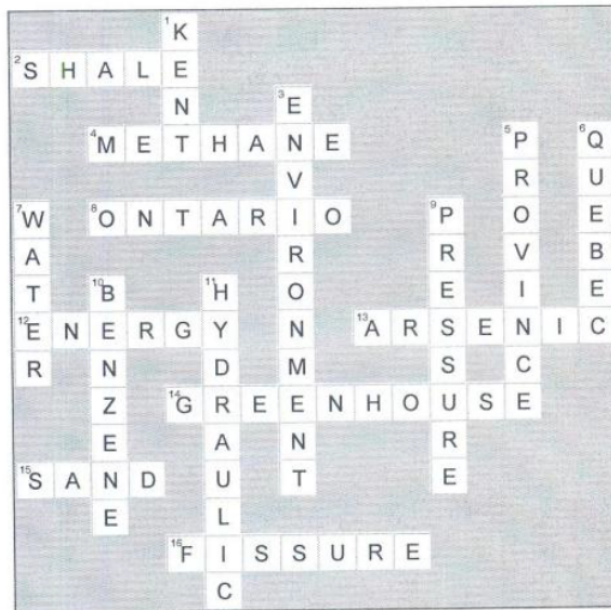
Reasons for	Reasons against
<ul style="list-style-type: none"> - natural gas...lower emissions than oil - horizontal well...more options - clean energy for next 100 years - hundreds of thousands of jobs - can be used for extracting oil - method occurs well below water table - chemicals used are deemed safe - abide by government regulations - cheaper fuels 	<ul style="list-style-type: none"> - chemicals and high pressure...good? - escapement of methane gas...where? - impact on water supply,drinking water? - seep into ground water? lakes/rivers? - amount of water used? wastewater! - contain arsenic and radiation...health? - fumes and smell in community - regulated by provincial governments - small earthquakes

2. After completing the organizer, answer the following: *Are you more in favour of or more opposed to natural gas fracking? Give reasons to support your response.*



The image shows a YouTube video player interface. The video content is a title card with a blue background. The text on the card reads "MY WATER'S ON FIRE TONIGHT" in large, bold, white letters, with "(THE FRACKING SONG)" in smaller, blue letters below it. In the center of the card is a silhouette of an oil wellhead. Below the wellhead is a green horizontal line representing the ground, and below that is a brown, textured area representing the ground surface. The video player controls are visible at the bottom of the video frame, including a play button, a volume icon, a progress bar showing "0:07 / 2:42", and icons for settings, full screen, and a share icon. Below the video player, the video title "The Fracking Song" is displayed with a small blue globe icon to its left.

CROSSWORD PUZZLE SOLUTION...



LIBRARY TIME...Begin Research Topic!!!

 **Journal - Library Plan.doc**

 **Research Project - Fisheries Ideas 2014.pdf**

Environmental Science 120

Research Project Ideas

INSTRUCTIONS: Search for relevant information on an interest of your choice. Make sure to reference and record where you find your information (ie. bookmark websites, reference articles, etc...). These are only suggestions...

- **FISHERIES:**

- Pressures facing the global fishing industry.
 - Pressures facing the Atlantic Salmon fishing.
 - Overfishing of species.
 - Aquaculture in New Brunswick.
 - Open pen vs land based salmon farming.
 - Escapement of farmed salmon.
 - Sustainable management practices for NB's fishery resources.
 - ISA Disease with farmed salmon.
 - Mactaquac Dam's future?
 - Greenland Commercial Salmon fishery.
 - Spread of Didymo (Rock Snot) by fisherman.
 - Angling Regulations...retention vs release.
 - Tracking Atlantic Salmon and population estimation.
 - Exploitation of bass in Miramichi Lakes?
 - Stripped bass and implications on Miramichi Salmon fishery.
 - Sinking of abandoned vessel off of Millbank implications and responsibilities.
 - Potential closure of fish barriers on Miramichi River.
 - Global warming and effect on ocean and freshwater systems.
 - Atlantic Salmon being on the 'species at risk' list?
 - Power generation on river systems.
 - Opening of the Petitcodiac Causeway.
 - Closure of Saint John River for salmon fishery.
 - Stocking of salmon to river systems.
 - Problems with the sea lice parasite.
 - Forestry practices and implications on watersheds.
 - Conservation and stewardship of Atlantic Salmon.
 - Changes to Fisheries Act impacting habitat protection.
 - Upcoming changes to the Crown Reserve System (DNR) and Recreational Salmon Fishing (DFO) in NB.
 - Low marine survival for the Atlantic Salmon...mystery of the sea.
- Current NB Issues...
 - Hydrofracking.
 - NB/Alberta pipeline.
 - Transportation of Oil with Railways

Attachments

Article - What is the Fuss About Fracking.pdf

Crossword - What is the Fuss About Fracking.pdf

Worksheet - Weigh the pros and cons on fracking.pdf

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