



# GIANT MINE AND HUMAN HEALTH

## WORKSHOP FOR GRADES 6 TO 9

### about

The Health Effects Monitoring Program (YKHEMP) is a study led by the University of Ottawa to see whether residents of Yellowknife, Ndilq, and Dettah are exposed to higher levels of arsenic compared to other Canadians. Over 2,000 people, aged 3-79, participated in the 2017-2018 baseline sample collection. The monitoring is repeated every 5 years to ensure the remediation activities at Giant Mine are not negatively impacting the local environment and people. This monitoring will continue until 2038!

These resources were created to build knowledge and awareness among local youth around topics relating to the ongoing YKHEMP, the legacy of Giant Mine, and some common metals of concern. These games can easily be integrated into your lesson plan, used as a fun break, or be provided as a resource for substitute teachers.

### curriculum links

*Trivia games can be played with **all ages**, but will tie-in best with the following units of the Alberta curriculum:*

#### Science 7

- Interactions and Ecosystems
- Planet Earth

#### Health 7

- Growth and Development
- Nutrition

#### Science 8

- Freshwater and Saltwater Systems

#### Science 9

- Environmental Chemistry

#### Health 9

- Nutrition

### what you'll need

- Electronic devices for students
- Wifi access
- Display or projector

*Trivia games are on Kahoot! and are also available on Google Slides, which, after downloading, can be played without access to wifi or electronic devices.*



**HEALTH EFFECTS**  
MONITORING PROGRAM

## trivia - 10min/game

Games discuss the history of Giant Mine, the reason there is elevated arsenic in the local environment, safe use of the local land and water, and more.



[Trivia Games and Resources](#)

## class discussion - 20 min

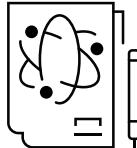
Use our question prompts to encourage class discussions, or create your own.



[Question Prompts](#)

## projects - 30 min

Students may do independent research about environmental health impacts, the history of mining, and mining impacts on their community.



[Projects](#)

### additional resources

#### [Giant Mine Oversight Board](#)

Independent oversight board with many resources, including drone footage of the mine site

#### [Giant Mine Remediation Project](#)

Official government website for the remediation project

#### [Guardians of Eternity](#)

Documentary about Giant Mine and the Yellowknives Dene First Nation

### field trips

Visit the [Giant Mine Oversight Board](#)

Arrange a site tour of [Giant Mine](#)

### contact us

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