

## Environmental Science Assignment 1

What is acid rain? <https://www.youtube.com/watch?v=1PDjVDIrFec>

We will be looking at various issues that have impacts in our environment, both in our local region and throughout the world. In the link above, I'd like to focus on the topic of **acid rain**.

Acid rain is an important topic especially for our region because it can have big environmental impacts on Canadian lakes. For this week I have provided you some questions to start your research.

- A) What is acid rain and why does it occur?
- B) Why is acid rain a concern for Canadians, especially among First Nations?
- C) If acid rain is caused by pollutants like sulphur dioxide (SO<sub>2</sub>) and nitrogen oxide (NO<sub>x</sub>) where do they come from? Have levels increased or decreased over time?
- D) Do you think it's important we control levels of pollutants in the atmosphere and why?
- E) How does the increased levels of acidity of rain effect lakes and the organisms (frogs, bugs, etc.) that live there?
- F) What does acid rain do to trees and the soil?

Here are some great websites where you can find lots of information:

<https://www.ec.gc.ca/air/default.asp?lang=En&n=7E5E9F00-1#wsDB524826>

<https://www.nature.com/articles/news050808-10>

**Weekly Activity:** Complete research on acid rain by checking out the links and answering the questions I have provided. You can choose to either:

- A) write a short essay on acid rain and its environmental impacts (among First Nations).
- B) Film a video talking about what you have learned on acid rain and its environmental impacts.
- C) Create a pamphlet talking about what acid rain is and its environmental impacts.