



## Relating Chemistry to Technology, Society and the Environment, SCH 3U1

You are to research one of the following topics in a Canadian context, using Canadian statistics and Canadian studies (if possible). Once you have researched the topic, identify and take a position on an issue related to your topic that will demonstrate how the application of chemistry has impacted on technology, society and/or the environment. The impact can be in a positive or a negative manner.

Create a comic book or a BOLDPRINT book that relates your research and your message. Your comic book will be displayed at the school "book fair" on *Month, day, year*.

### Topics

- acid rain
- global warming
- greenhouse gases
- nuclear waste
- fossil fuels
- polymers
- fuel cell
- Montreal Protocol: Then & Now
- artificial sweeteners
- chemical food additives
- chemotherapy
- landfill leachates
- agricultural runoff
- air quality
- non-stick cookware
- DEET in insect repellents
- metal mining and refining
- air pollution
- water quality
- fertilizers
- pesticides
- CFC's
- air bags
- water purification
- "Green" cleaners
- pharmaceuticals
- cosmetics
- LifeStraw
- chemical spill
- Alberta Tar Sands
- PABA in sunscreen
- Ontario's Drive Clean Program



The software ComicLife is available on the school computers for you to design your comic with after you have finished your research.

To help you get started, here are a few credible sources of information:

<http://www.ec.gc.ca/cleanair-airpur/default.asp?lang=En&n=8C3F7D55-1>

<http://www.ec.gc.ca/default.asp?lang=En&n=9FF9C192-1>

<http://www.nrcan-rncan.gc.ca/com/subsuj/minmin-eng.php>

<http://www4.agr.gc.ca/AAFC-AAC/display-afficher.do?id=1166717071446&lang=e>

[http://cansim2.statcan.ca/cgi-win/cnsmcqi.pgm?Lang=E&SP\\_Action=Theme&SP\\_ID=1762](http://cansim2.statcan.ca/cgi-win/cnsmcqi.pgm?Lang=E&SP_Action=Theme&SP_ID=1762)

Your last page of your comic book should be the bibliography. However, instead of calling it the bibliography your heading should read "For more information", and have the appropriate subheadings (books, articles, websites, etc.)

The following is a list of sites that can help with actually creating the comic book:

[http://www.readwritethink.org/lesson\\_images/lesson195/comic-strip-planning.pdf](http://www.readwritethink.org/lesson_images/lesson195/comic-strip-planning.pdf)

[http://www.readwritethink.org/lesson\\_images/lesson195/comic-strip-rubric.pdf](http://www.readwritethink.org/lesson_images/lesson195/comic-strip-rubric.pdf)

<http://www.readwritethink.org/materials/comic/index.html>

[http://www.readwritethink.org/lesson\\_images/lesson223/plot\\_mountain.pdf](http://www.readwritethink.org/lesson_images/lesson223/plot_mountain.pdf)

If you wish to know what a BOLDPRINT book is, you can find the information at the following sites:

[http://www.learningthroughliteracy.com/resources\\_boldprint.shtml](http://www.learningthroughliteracy.com/resources_boldprint.shtml)

