

Chemistry Unit Project: Chemistry and the Environment

You will be investigating the impact that chemistry can have on the environment. You will communicate your information to your readers through a magazine article.

Possible Topics:

- acid precipitation
- acid leaching
- soil restoration of abandoned mine sites
- solar gas
- issues presented by the phosphate fertilizer industry
- biofuels
- bioplastics and light-weight plastics (used in the manufacture of cars)
- “green” insulating material
- alternative fuels

When researching, be sure to investigate:

- How your technology works, be sure to focus on chemistry and explain any key terms that may be new to the reader.
- Economic and/or health impacts your topic may have to on society.
- The name of scientists who contributed to your topic (preferably Canadian)

Presentation Format

When presenting your findings, your finished product should look like a magazine article. Be sure to consider the following

- The length of your article (including pictures and ads) should be at least two pages.
- use at least three different sources from the internet or elsewhere, excluding Wikipedia
- resources must be cited in APA format
- Wikipedia may only be used as an image source.
- The articles should be written in fonts no larger than 12pt.
- Be sure to include titles and subheadings, this font should be larger and stand out.
- Your magazine should have a related title.
- Make sure the date appears on the paper as it would in any other newspaper.
- You must include only two appropriate images and a caption must accompany the image.

You Must Also Include:

- A job ad – The job ad should reflect the area of science that you are covering in your magazine. It should include educational requirements.
- A word puzzle (crossword, word search, jumble, etc.) that contains key terms from the topic you are covering.
- A separate works cited page in APA format.

Rubric

Explanation of topic and how it relates to the environment

0 1 2 3 4

Link between topic and chemistry

0 1 2 3 4 5 6

Economic or health impacts your topic may have

0 1 2 3 4

(Canadian) Scientists who contributed to your topic

0 1 2

Job ad in related field of science

0 1 2

Use of at least two images

0 1 2

Word puzzle containing two key terms

0 1 2

Works cited page

0 1 2

Formatting and overall appearance

0 1 2 3

Spelling, grammar, and level of language

0 1 2 3

Total /30

Additional Comments: