



Get into the Library Assignment Chemistry Grade 12, SCH4U

The purpose of this assignment is for the student to learn how to independently use and evaluate resources and apply them in a successful manner.

PRODUCT

- One page summary of a 2-3 page article: the topic of this article will serve as the focus of your entire assignment.
- Annotated references of 5 additional sources that directly relate to the topic of your summary article (3-5 sentence annotation of the scientific content of each article and how that source connects to your main assignment topic);
- One page reflection (make connections between what you read in the main article and other 5 additional articles. Use the "Double-Entry Journal" method to make at least three different types of connections.

Assignment structure should be created using Times New Roman 12 point font.

Refer to "The Ontario Curriculum Grades 11 and 12, Science" document at:

<http://www.edu.gov.on.ca/eng/curriculum/secondary/science1112curr.pdf> pages 55-65 (SCH4U learning expectations) to help you chose a topic for your summary article.

PROCESS

First, familiarize yourself with the resources located in the Journals and Periodicals collection of the library (both print and online).

You may **not** use your textbook, encyclopedias, dictionaries or other books as one of your sources. At least one of your sources must be from one of the following magazines: *Discover*, *New Scientist*, or from a science journal/magazine approved by your teacher.

This process consists of **three** parts:

Part A: Choice of Topic and Summary of the Main Article;

Part B: Annotated Reference List of Five Sources; and

Part C: Reflection

Part A: Choice of Topic and Summary of the Main Article (Communication/Making Connections/Application)

Find an article (from a newspaper, magazine or the Internet) about a topic that relates to the Chemistry, SCH4U course and that interests you. Your article should be 2-3 pages in length. Articles longer than 3 pages in length will not be accepted. The article you choose must have been published within the last three years. Choosing an article will be the starting point for your assignment. Attach one photocopy of your article with this part of the assignment.

Talk to your teacher about your topic before beginning working on this assignment. The topic you choose must be approved by the teacher. (The last date for topic approval is month, day, year).

Cite your article using APA format. Speak with your teacher if you have any questions about the APA format for a specific source.

Write a series of short answers to the "questions" that follow.

- a) Why did you choose this topic?
- b) What relevance does it have for society in general?
- c) How does it relate to the SCH4U Chemistry course?
- d) Who's the Author (Professor? Researcher?)?
- e) What is the thesis or main point of the article?
- f) Summarize the article in 10-15 sentences, making sure to include the key points. What support is given for these key points?
- g) What's left out (are there perspectives, approaches or questions left out of this article that are important for understanding the topic)?

Please remember that your MAIN topic should be fairly specific. For example, "describe the variety and importance of organic compounds in our lives" or "compare conventional and alternative sources of energy with respect to efficiency and environmental impact" are far too broad as concepts to be useful as main topics.

Part B: Annotated Reference List of Five Sources (Making Connections/Application)

Find 5 other sources that relate to your summary article. Write a 3-5 sentence annotation of the scientific content of each source and state how each source connects to your main topic. These sources cannot be textbooks, dictionaries, or encyclopedias. At least **three** of these sources **MUST** be from magazines or newspapers and cannot be from the Internet. At least **one** of these sources must be from *Discover*, *New Scientist*, or from a science journal/magazine approved by your teacher. Electronic copies of magazines such as *Discover* are not considered to be from magazines (and not just Internet sources).

In constructing your annotated reference list:

- a) Use APA format when including your resources.
- b) Do **not** include any headings (e.g., BOOKS).
- c) Include your annotation of each article directly under each citation indicating the relationship to your assignment topic. Refer to the sample annotated bibliography.

PART C: Reflection (Communication/Making Connections)

In this part you will use a “Double-Entry Journal” method to make **at least three** types of **connections** to your summary article.

Select a key event, idea, word, quote, or concept from the text and write it in the left column of the Double Entry Journal.

In the right column of the Double Entry Journal, you should write connections and explain your responses to the item in the left column.

Text – self connections occur when you make connections between personal experiences and your summary article.

Text – text connections occur when you make connections between the annotated articles and the summary article.

Text – world connections occur when you relate the text with what you already know about the world.

Key event, idea, word, quote, or concept	Connections
For example: This part in the article...	For example: Reminded me of ... self connections ... text connections ... world connections

As you read each article, write notes in the margins when you make a connection. Think your way through each article and look for the connections.

Taking notes as you proceed through each article of the assignment will keep you focused and make it easier to collect your thoughts when you get to this section.

MARKING SCHEMES

Part A: Marking Scheme “Choice of Topic and Summary of the Main Article”

NAME _____ PERIOD _____

Source in APA Format	0	1		
Choice of Topic Relates to	0	1		
SCH4U Expectations				
Summary				
Introduction	0	1	2	3
Discussion				
Key Point # 1	0	1	2	3
Key Point # 2	0	1	2	3
Key Point # 3	0	1	2	3
Conclusion (Quality)	0	1	2	3
Spelling/Grammar	0	1		
TOTAL	/18			

Part B: Marking Scheme “Annotated Reference List of Five Sources”

NAME _____ PERIOD _____

Criteria	Marks					
Adequate Number and Type of Sources	0	1				
Articles clearly tie in with Summary Article	0	1				
Correct Format	0	1	2	3	4	5
Annotations	0	1	2	3	4	5
TOTAL	/12					

Part C: Marking Scheme “Reflection”

NAME _____ PERIOD _____

Three types of Connections included	0	1		
“Double-entry Journal” format	0	1		
Connections				
Text – Self Connections idea	0	1	2	3
Reaction	0	1	2	3
Text – Text Connections idea	0	1	2	3
Reaction	0	1	2	3
Text – World Connections idea	0	1	2	3
Reaction	0	1	2	3
TOTAL	/20			