

SCH 3U1 – Chemistry Research Project
Chemicals and Their Place in the World

Name: _____

Due: _____

Description:

You (working alone) will apply your research skills to understand how a particular chemical has played a significant role in history and in the world today. You will then use a format of your choice to communicate your understanding of the compound and its impact on society, the environment, the economy, and individuals.

Issue from the List of 100 Top Chemicals: _____

Project Format from Quadrant: _____

1	2	3	
Write a newspaper article.	Write a series of 5-10 poems that express how you feel about the compound (include some factual information).	Write a letter to the municipal government stressing the importance of the chemical.	A
Create a song or short story.	Investigate your topic in the form of an essay (500 words).	Write a public service announcement or letter to inform the public about the chemical.	B
Write a graphic novel.	Create an information brochure.	Create a children's storybook.	C
Oral presentation of the issue including a Power Point presentation.	Build a model or physical representation. Be sure to include labels and brief descriptions.	Interview historical figures, friends, teachers, parents, and/or peers about any experiences they've had related to the chemical. You may simply write this up or record it. Be sure to ask scientific questions and seek scientific answers.	D

Timeline:

Wednesday Dec 3 rd	Introduction of Project
Thursday, Dec 4 th	Choose an Issue/Format
Week of Dec 8 th	Research Period
Fri Dec 12 th	Part A of Project Due
Fri Jan 9 th	Final Project Due

← 1st come 1st serve See your teacher to sign up

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Name: _____

Due: _____

Part A

Name of Chemical: _____

Type of Format: _____ Quadrant: _____

Five facts
about your
chemical:

1. _____

2. _____

3. _____

4. _____

5. _____

Two areas of impact
related to your chemical

- a) Identify the area
- b) Briefly explain how
the chemical has
impacted this area

Area of Impact # 1:

Area of Impact #2:

Vocabulary List:
(Five scientific/chemistry
words related to your
compound that will
appear in your project)

1. _____

2. _____

3. _____

4. _____

5. _____

Reference List:
(Three reliable sources
that will be used as in text
citations in your project)

1. _____

2. _____

3. _____

**SCH 3U1 – Chemistry Research Project
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Marking Scheme**

Name: _____

Part A		
Description of Criteria	Mark	Comments
Includes 5 facts about the chemical. All 5 facts relate in some way to chemistry.	0 1 2 3 4 5	
The two areas of impact are listed and a brief description of how the chemical has affected the area is included.	0 1 2 3 4	
The vocabulary list includes 5 scientific/chemistry words related to the issue. The words are at a high enough level/appropriate for a grade 11 student.	0 1 2	
Total	/11K/U	

FINAL PROJECT – APPLICATION		
Description of Criteria	Mark	Comments
The student demonstrates (thorough/good/some/limited) understanding of the chemical and its place in history	0 1 2 3 4	
The student assesses the impact of the chemical on the individual/society and the environment.	0 1 2 3 4	
The student assesses the impact of the chemical on the individual/society and the economy.	0 1 2 3 4	
Total	/12A	

FINAL PROJECT – COMMUNICATION		
Description of Criteria	Mark	Comments
The student communicates effectively using their <u>chosen format</u>	0 1 2	
The student communicates/organizes ideas and information effectively by <ul style="list-style-type: none"> - writing/speaking in own words - using correct grammar/spelling - aesthetic appeal/creativity - other (depending on format chosen): 	0 1 2 3 4 5 6	
Information is cited when necessary. Bibliography is included in proper APA format with at least <u>three different sources</u> listed.	0 1 2	
Total	/10C	

Total:

11K/U	12A	10C