

Name: _____

Pd: ___ Due: _____

Organic Molecules in Every Day Life

A brochure assignment

Question:

What are some common organic compounds you encounter daily?

Background:

By now, you should have some appreciation of the wide variety of organic compounds that you encounter daily. The study of organic chemistry is an enormous field responsible for billions of dollars annually in industry. This unit has been a brief introduction to the world of organic chemistry. In this activity, you will have the opportunity to explore the production and uses of an organic compound based on your area of interest.

Procedure:

1. You may work on your own or with a partner. Choose a topic from the list below:
 - The accidental discovery of Teflon
 - The production of chlorofluorocarbons and their impact on the upper atmosphere
 - The vulcanization of rubber
 - The production of polyester
 - The uses of inorganic polymers based on silicon instead of carbon
 - The use of petrochemicals as a raw material for the production of many other organic compounds
 - Saponification – the production of soaps
 - The presence of methane hydrates off the coast of BC and their potential use as a fuel
 - A topic of interest (not listed above) but that you have teacher approval for
2. Research the topic
 - Explain what the substance is
 - Discuss how it was discovered
 - Include the current uses of the substance
 - Explain the chemistry behind it
 - Other interesting facts that you might have uncovered
3. Create a brochure to present this information (you will be provided with card stock)
 - Fold the card stock into a six page brochure
 - The front page will serve as the “Title Page”
 - The back page will be your “bibliography”
 - The remaining four pages must be used to display the research you have uncovered for the four topics listed above
 - Presentation is important, I want it to be “eye-catching” with images (create a brochure that you would want to pick up while waiting for an appointment)

Criteria	1	2	3	4
Title Page	Student has put in no effort	Student has put in minimal effort	Student has put in significant effort	Student has put in an exceptional effort
Topic: "Is"	Not enough relevant information on the topic	The topic is supported with detail, but includes irrelevant information	The topic is detailed and provides relevant information	The topics is presented with exceptional information to support the topic
"discovered"	Not enough relevant information on the topic	The topic is supported with detail, but includes irrelevant information	The topic is detailed and provides relevant information	The topics is presented with exceptional information to support the topic
"uses"	Not enough relevant information on the topic	The topic is supported with detail, but includes irrelevant information	The topic is detailed and provides relevant information	The topics is presented with exceptional information to support the topic
"chemistry"	Not enough relevant information on the topic	The topic is supported with detail, but includes irrelevant information	The topic is detailed and provides relevant information	The topics is presented with exceptional information to support the topic
"other relevant"	Not enough relevant information on the topic	The topic is supported with detail, but includes irrelevant information	The topic is detailed and provides relevant information	The topics is presented with exceptional information to support the topic
Bibliography	Student uses material from few sources	Student uses a variety of sources, not all relevant	Student uses variety of sources, All relevant	Student uses variety of sources, all very relevant
Supporting Materials	Few "images" are present	Some "images" are present	"images" are present throughout	"images" are present and of exceptional quality
Grammar	Serious grammar and spelling errors are present	Few grammar and spelling errors are present	Brochure is free of grammar and spelling errors	No Grammar or spelling errors, use of language is varied and creative.

Total Score:

/ 36
