

G624: Chemicals for a Purpose – Sample Assignment B

Unit Name: Chemicals for a Purpose	Unit Number: G624
Assignment Title: Useful Organic Chemical Compounds	Assignment: G624 Sample Assignment B
Date Set:	Due Date:
Assessment Objective(s): AO1(a) (b) & (c)	

Vocational Brief:

Organic chemistry is defined as the chemistry of carbon and its compounds.

There are over six million organic compounds, including the foods we eat, (made of carbohydrates, lipids, proteins, and vitamins), furs and feathers, hides and skins, and the organisms they came from. There are also plastics, synthetic and natural fibres, dyes and drugs, insecticides and herbicides, ingredients in perfumes and flavouring agents, and petroleum products.

Task 1:

- AO1(a) & (b)

Your task is to choose **two** organic compounds and produce a report or a presentation.

For each compound, you should include the:

- name
- formula
- structure
- uses
- properties.

For higher marks, explain:

- how the uses depend on the properties
- how the properties depend on the structure.

Task 2:

- AO1(c)

You can choose the same compound or a different one but check that the compound you have chosen is one made from oil.

Your task is to write an account of the:

- physical properties
- chemical properties
- relevant reactions
- method of preparing your chosen compound – a lab and industrial method would support higher marks
- uses
- structures.

Remember to present your work clearly. Include references and check spelling, punctuation and grammar.

Resources:

- <http://www.practicalchemistry.org/>