



Motto:
"Not for self but for others"

Aspley State High School Science Department

Subject: Chemistry
Assessment Task 7
Extended Response Task
Context: Drugs, Medicine and People

Draft Date : : ___ / ___ / ___ 2009

Due Date: : ___ / ___ / ___

Time: 4 weeks

Term 2 Semester 1, 2009

Name: _____

Class: _____ Teacher: _____

Result

Task: You are required to select and research a drug and provide a 7-10 minute presentation using Microsoft PowerPoint. A hardcopy print out of the presentation must be provided showing the "view notes" which includes the script of your presentation. A bibliography must accompany this document.

The information involving the drug should include:

- The common name (if applicable or there maybe an abbreviated name) and scientific name
- The chemical structure
- Whether there are chiral forms (optical isomers) of the drug
- The pharmacophore (group of atoms which confers the pharmacological activity).
- A description of reasons for taking the drug and how the drug works
- An assessment (your view point) of the effectiveness of the drug based on research (this may include balancing the side effects with the action of the drugs or perhaps whether other drugs are "better")

The information involving the drug may include:

- Side effects of the drug
- Some historical background – perhaps how and who isolated the drug
- The Status of the drug: legal, prescribed or over the counter
- Other relevant information, for example, how trials of the drug were conducted

The following websites may assist in the presentation of diagrams of the drugs:

Websites:

[The CENTER FOR MOLECULAR MODELING \(CMM\)](http://www.cmm.nih.gov/modeling/)

CACheComputerAidedChemistry
National Institute of General Medical Sciences

<http://www.chem.ox.ac.uk/course/cache/default.html>

<http://www.nigms.nih.gov/>

The **Bibliography** contains an alphabetical list of all the resources you actually used in the assignment. The correct way to reference a text or other source of information in your bibliography is given below.

Examples

Book	Brown, J (1999) <i>Science and Society</i> , Sydney: McGraw- Hill
Journal Article	Sparks, M (2001) Science Pracs" QST, University of Queensland Press
Encyclopaedia	"Archeology" (1998) <i>The World Book Encyclopaedia</i> pp556-557.
CD Rom	<i>Insects</i> (cd rom) (1997) Canberra: CSIRO
Internet	<i>Tools of Exploration</i> [On-line] http://www.nasa.edu/ceps/ (1998)

**Extended Response Task (ERT)
Drug Investigation Draft**

Name: _____

Draft Due: _____

Task: You are required to select and research a drug and provide a 7-10 minute presentation using Microsoft Powerpoint. A hardcopy print out of the presentation must be provided showing the "view notes" which includes the script of your presentation. A bibliography must accompany this document.

Provide the following information as evidence that you have designed your Extended Response Task. This will be assessed according to the **Designing Investigations** section of the criteria.

1. Identify the drug you have chosen and provide a description of your interest in the drug. What do you know about this drug already?

Drug: _____

2. Identifying sources for data collection (Document sources **you have used** to gather data) Show actual websites URLs and titles plus dates accessed)

3. Jot notes or bullet points on the information you have already gathered.

- The chemical structure

- The pharmacophore (group of atoms which confers the pharmacological activity).

- A description of reasons for taking the drug and how the drug works

- Other information you may include:

- Identify time lines and action plan/s to ensure the presentation is ready on time. (What to you have to do now? When will you do it?)

(Further information may be provided by attaching other evidence of planning and/or using the back of this form.)

Date: _____

**Extended Response Task (ERT)
Drug Investigation
Peer Assessment
Powerpoint Presentation Criteria**

Name of Presenter: _____

Name of Assessor: _____

Result

You are required to assess your peers for each presentation. This will involve completing one of these forms for each student you observe. This assessment will contribute to the overall result.

Criteria	A	B	C	D	E
Introduction	Excellent introduction of: the topic, with clear indication of the information to be covered.		Good attempt to introduce the topic.	Some attempt to introduce the topic.	No or little attempt to introduce the topic.
Quality of Information presented.	Excellent clear information with all terms explained for everyone to understand		Good clear information with most terms explained for everyone to understand	Some good information but not clearly explained	Poor quality information with little explanation
Quantity of Information presented	Appropriate quantity without excessive unnecessary facts but including important points		The quantity may be excessive or too short for the time and audience.	The quantity is too short or excessive detracting from the presentation.	Clearly insufficient information presented.
Powerpoint slides	Legible with good colour contrast and very effective balance between text and images.		Legible with reasonable colour contrast and effective balance between text and images.	Some problems with colour contrast and/or excessive text.	Presentation slides are inadequate and detract from the presentation.
Flow of powerpoint presentation	Slides are changed very smoothly with effective transitions for highlighting the verbal information presented. Not too many slides.		Slides are changed smoothly with satisfactory transitions for complimenting the verbal information presented.	Reasonable flow of slides but some discrepancies with the verbal information	The slides and verbal presentation do not effectively compliment each other.
Clarity and presentation of Speech	Very clear and enthusiastic. Voice projections reach all members of the audience. Appropriate speed of presentation.		Clear and generally keen Voice projections reach most in the audience. Reasonable speed of presentation.	Some difficulties with pronunciation or enthusiasm, and or speed of presentation.	Difficult to interpret the verbal information.
Interpretation	Shows critical analysis of the topic information and makes effective interpretations.		Attempts to critically analyse the information	Attempts interpretation	Little or no interpretation.
Conclusion	Clearly and effectively sums up the information presented, ensuring the audience remembers the important points.		Sums up the information presented, ensuring the audience remembers the important points.	Tries to sum up the information.	Conclusion absent of ineffective.

Notes for Assignment Presentation

Ownership of Work

It is the responsibility of every student to ensure the work is your own work. In chemistry you will often be doing experiments in groups and sharing results however the analysis must be completely your own. You must not copy another student's work and submit this as your own.

Plagiarism

Plagiarism is copying directly (word for word) from a reference source like a textbook, encyclopaedia or from a website. Plagiarism is not permitted. Instead you are asked to re-arrange the information and put it into your own words. You must still acknowledge the source of your information by referencing.

Student Ownership Statement.

I declare that:

This assignment is my own work and I have not copied other student's work or directly from textbooks or other sources. I have not gained unfair assistance from other students, parents or guardians.

STUDENT SIGNATURE _____

DATE SUBMITTED: _____

Carefully cut along the dotted line when you are ready to hand in your assignment.

Assignment Receipt

Year 12 Assessment Task 8.

Extended Response Task

Drug Investigation

Name: _____

Date: _____

Received: _____ (Teacher)