

MCTs - Mini Chemistry Topic

MCT #1 YOUR FIRST MCT MUST BE AN ORGANIC MOLECULE WITH FIVE OR MORE CARBON ATOMS PRESENT. You should pick a molecule that has an interaction with your biochemistry and explain the interaction. This would include any common pharmaceutical drug, specific pharmaceutical drug, black market drugs such as anabolic steroids a vitamin, naturally occurring substances such as hormones THERE ARE MANY POSSIBLE CHOICES. PLEASE GET APPROVAL FOR YOUR CHOICE AND PERHAPS SOME SUGGESTIONS FOR YOUR RESEARCH. INCLUDE SOME OR ALL OF THE FOLLOWING:

- a structural diagram (can be cut and paste from the internet if referenced properly) - MUST INCLUDE THIS
- brief description of any physical and chemical properties that you can find
- the way in which your molecule interacts with human biochemistry, or the way in which your molecule fulfills its natural role
- ways in which your molecule can be obtained and/or manufactured
- any other interesting science type stuff!

MCT #2 YOUR SECOND MCT MUST NOT BE AN ORGANIC MOLECULE! THIS TIME IT MUST BE SOME PROCESS MAN-MADE OR NATURAL. EXAMPLES WILL FOLLOW

MCT #3 VARIOUS UPON APPROVAL

Evaluation:

You will do several MCTs until you have accumulated a total of 10 to 15 points (total amount to be decided). This will likely require three or more mini reports. Points will be based on the level of difficulty and depth that you have taken in your topic in your topic.

You will also receive a percentage mark based on the quality of your report

- inclusion of proper reference techniques (see link)
- apparent care to your presentation
- quality of written work
- proper word-processing techniques (i.e. H₂SO₄ not H2SO4)

In practice, this percentage will be rounded to the nearest 5%.

Your final MCT mark will be a weighted average of your various reports, the weighting based on the point assigned. If you do not accumulate the minimum number of points, a prorated deduction will be implemented. This mark will count as 10 % of your final mark.

Each mini report is expected to be two or more pages and word processed. Diagrams may be imported provided they are references properly. References must be given using APA format (see website for link to University of Guelph standards). You must have a minimum of two references. If one of your references is a "secondary" reference like wikipedia or the like, you must have three references, two of which are "primary" references.

You will also be expected to share your item(s) with your classmates in an informal manner.!

GOOD LUCK!!!