

AP Chemistry Summer Assignment

Review chapters 1-5. Chapter 4 sections 9 and 10 will be covered when we come back to school. It will be helpful to read these sections to prepare for your return to class. We will expect you to read the book. The book contains a breadth of information that we cannot cover in class.

We have included study guides for you to use as supplements to the material in the book. The problems in the study guides are easier than the book and will prepare you for the book problems.

The following problems need to be completed before the first day of school. Always write what is given, what is asked for and equations, if needed. Remember dimensional analysis (some classes nicknamed this “picket fences”) and use **units** in your answers where needed.

If you do not understand some of the material, or maybe you never have seen it, we will review it briefly in September. If you have questions feel free to email us prasad_gerard@mcpsmd.org and maryalice_a_adah@mcpsmd.org. We will be checking our email periodically over the summer. We also encourage you to start forming study groups to do these and future problems.

Do only odd problems unless specified.

- Chapter 1:** pp 30-37 problems 21, 24, 27-37, 53-56, 69-71
Chapter 2: pp 69-75 problems 22-24, 29, 43-45, 49, 55-59, 69, 70 and 73
Chapter 3: pp 115-125 problems 33-37, 47-51, 57-61, 69-71, 80, 83, 84, 89-91
Chapter 4: pp 170-177 problems 9-12, 17, 18, 23-25, 33, 34, 35-37, 42, 51-53, 55-57, 64 and 65
Chapter 5: pp 219-227 problems 31, 33, 34, 37, 39, 49, 50, 53, 57, 61, 69, 77, 83 and 85

Helpful links:

<http://www.adriandingleschemistrypages.com/apquiz.html>

<http://proton.csudh.edu/homeworkcs/hwintrocns7.html>

<http://www.wolframalpha.com/>

<http://apcentral.collegeboard.com/apc/Controller.jspf>

<http://www.chem.iastate.edu/group/Greenbowe/sections/projectfolder/flashfiles/redoxNew/redox.html>