

You must **do the assigned homework questions/problems** from your textbook – *Chemistry: Matter and Its Changes* 5th edition by Brady and Senese as we cover each chapter. You will not do well on class exams without this work. You cannot effectively learn general chemistry unless you work problems. Learning Chemistry is an active process and not a passive one.

You should buy and use the *Student Solutions Manual* that is designed to go with your textbook. The questions at the end of the chapter that are numbered in color are worked out in detail in the *Student Solutions Manual*. Answers to these are also in your textbook Appendix. We will not have time in class to go through these problems and that is why you must buy and check your work in the Solutions Manual. You should do as much work as you can on each question and only after you are done then compare your work or answer to the provided solution. The purpose is to allow you to get feedback on your work not to give you an answer without doing the work.

All of these questions below are from Review Questions and Review Problems at the end of each chapter. In your text these are written as 1.7, 1.10, etc. I have simplified below by writing as chapter 1. 7, 10, etc. The Review Problems marked in color in your text have worked out solutions in *Student Solutions Manual* and answers are also in textbook Appendix.

Chapter	Review Questions and Review Problems (Homework at end of chapter)
1.	7 10 11 14 20 22 23 26 28 30 36 38 42 46 50 54 58 62 64 71
2.	11 19 21 27 35 76 80 82 86 88 90 92 98 100 102 104 108 110 116 118 120 122
3.	17 27 29 31 37 45 49 55 57 63 65 73 77 83 89 93 99 103 107 115 117 119 123
4.	26 27 36 44 49 51 57 61 63 65 69 79 85 89 91 93 97 109 111
7.	73 77 79 83 85 87 91 93 95 97 103 105 107 111 119 121 123 125 129 138
8.	6 11 14 29 50 55 57 61 71 77 81 83 87 93 95
9.	1 24 32 50 56 58 59 62 68 72 78 80 82
10.	1 7 25 29 35 37 49 51 59 67 73 81 84
11.	9 10 19 25 41 46 49 54 75 76 78 80 82 106 108
22.	1 5 9 19 58 61 70 74 83 85 91 Most of this chapter material will be based on my notes. We will be doing only selected portions of this rather extensive chapter.

In addition to the above questions as you go through each chapter you should do **Practice Exercises** to test yourself as you learn each new concept. Do the even number ones and you can check your answers in the Appendix and detail process is provided in *Student Solutions Manual*.