**\*\*\*Recommended Chapter Problems from Chemistry: The Central Science 13th ed. By Brown & Lemay**

**It is very important to be practicing calculations & reactions (etc) by hand everyday in order to train your mind how to learn – these problems should look very familiar – many are done in class, many are done in homework, and others will be similar style to those completed in class as well. Please be working 8-10 hours a week to do well in the class; be independent, be confident, and set a good example for yourself and others – make this course a priority!**

Chapter 1:  21, 22, 39, 41, 42, 47, 53, 55, 56, 57, 80

Chapter 2:  23, 25, 27, 29, 35, 41, 51, 55, 69, 71, 73, 75, 77

Chapter 3:  11, 13, 15, 37, 42, 47, 51, 55, 67, 79, 83

Chapter 4:  21, 23, 25, 26, 39, 51, 52, 55, 62, 76, 83, 87

Chapter 10:  26, 33, 35, 37, 56, 59

Chapter 5:  43, 44, 55, 56, 57, 58, 63, 64, 65, 66, 71, 73, 75, 76

Chapter 6: 25, 39, 45, 55, 57, 62, 71, 72, 74, 75

**Chapter 7: 27, 28, 29**

**& \*\*Answer the following with respect to atomic size AND then again with respect to Electronegativity: 25, 34, 35**

**Chapter 8: 39, 41, 42, 47, 48, 55, 61, 63**

**Chapter 9: 22, 25, 26, 39, 41, 42, 51, 52, 57, 58, 60**

**Chapter 11: 15, 17, 18, 19, 21, 22, 28, 45, 46**

**Chapter 13: 39, 43, 45, 47a,c,d, 73, 75**