Chemistry Syllabus #3

Topic 3: Moles and Stoichiometry

Chapter 6 : Section 6.1 pgs 164-166 (Moles and conversions)

 Section 6.2 pgs 168-173 (Molar mass and conversions)

 Section 6.3 pgs 175-181 (% composition and empirical/molecular formulas)

Chapter 8 : Section 8.1 pgs 222-232 (stoichiometry)

 Section 8.2 pgs 234-237 (% yield)

Section 8.3 pgs 239-242 (limiting reactants)

Chapter 13: Section 13.3 pgs 424-431 (Concentration)

Chapter 16: Section 16.1 pgs 508-514 (Acids and Bases)

 Section 16.2 pgs 516-520 (pH)

Section 16.4 pgs 526-533 (Acid base reactions)

Vocabulary: (you do not have to write out these definitions, just know the words!

Pg 186 Sections 6.1 to 6.3 all

Pg 246 Sections 8.1 to 8.3 all

Pg 537 Sections 16.1-16.4 all except common ion, buffer capacity, normality

Questions: To be done and handed in!

Section 6.1 (pg 187) 15, 17, 19, 20

Section 6.2 (pg 187) 23, 25, 40

Section 6.3 (pg 188) 75

Section 8.1 (pg 246) 8, 12, 13, 14, 15

Section 8.2 (pg 247) 19, 24

Section 8.3 (pg 247) 35

Section 13.3 (pg 441) 68, 88, 91

Section 16.1 (pg 537) 21, 22, 23, 24

Section 16.2 (pg 538) 37, 40, 73

Section 16.4 (pg 539) 60, 88