Honors Syllabus #7

Topic 7: States of Matter

Chapter 10: Section 10.1 pgs 298-304 (bonding and Lewis-dot)

        Section 10.2 pgs 306-316 (types of bonds, polarity)

        Section 10.3 pgs 318-328 (geometry)

Chapter 3: Section 3.3 pgs 73-76 (pure substances and mixtures)

Chapter 13: Section 13.1 pgs 410-415 (Solution formation and types)

        Section 13.2 pgs 417-422 (Solubility)

        Section 13.3 pgs 424-431 (Concentration)

        Section 13.4 pgs 434-437 (Colligative properties)

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 340 Sections 10.1-10.2 all

Pg 88 Section 3.3 all

Pg 441 Sections 13.1-13.4 all except reverse osmosis, Henry’s Law, Beer’s Law

colorimeter, colligative property, molality

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

Questions: To be done and handed in!

Section 10.1 (pg 341) 43, 48, 53, 56, 59, 60, 61

Section 10.2 (pg 342) 63, 71, 75, 76

Section 10.3 (pg 342) 79

Section 3.3 (pg 90) 77, 80, 82

Section 13.1 (pg 635) 33, 35, 36, 40, 43

Section 13.2 (pg 636) 45, 47, 49, 50, 55

Section 13.3 (pg 637) 68, 88, 91, 98

Section 13.4 (pg 638) 73

Section 16.1 (pg 537) 21, 22, 23, 24, 26, 28, 29

Section 16.2 (pg 538) 37, 40, 73

Section 16.4 (pg 539) 60, 88