

AP CHEMISTRY

SUMMER ASSIGNMENTS

YOU WILL NEED TO GET A TEXTBOOK FROM MRS. LITTLES. THE BOOK IS GREY AND TITLED "CHEMISTRY: THE CENTRAL SCIENCE". YOU WILL ALSO NEED A SCIENTIFIC CALCULATOR FOR THE ASSIGNMENTS AND FOR CLASS.

YOU SHOULD READ THE ASSIGNED CHAPTER. BELOW ARE THE DUE DATES FOR THE ASSIGNMENTS. NO LATE ASSIGNMENTS WILL BE ACCEPTED!!!

CHAPTER 1 ASSIGNMENT WILL BE DUE THE 1ST DAY OF CLASS. (THURSDAY 8/12/10)

CHAPTER 2 ASSIGNMENT WILL BE DUE THE 3RD DAY OF CLASS. (MONDAY 8/16/10)

CHAPTER 3 ASSIGNMENT WILL BE DUE THE 5TH DAY OF CLASS. (WEDNESDAY 8/18/10)

ALL ASSIGNMENTS ARE BEING GRADED FOR CORRECTNESS!!!

ASSIGNMENT # 1

CHAPTER 1 p. 1-35

p. 30 VISUALIZING CONCEPTS #1.1 – 1.9

p. 31 EXERCISES # 1.12, 1.14, 1.15, 1.17, 1.19, 1.20

p. 32 UNITS AND MEASUREMENTS # 1.24, 1.26, 1.28, 1.29, 1.32

P. 33 DIMENSIONAL ANALYSIS # 1.44, 1.46, 1.48

ASSIGNMENT # 2

CHAPTER 2 p. 37-77

p. 69 VISUALIZING CONCEPTS # 2.1 – 2.8

p. 70 EXERCISES # 2.10, 2.12, 2.14

p. 71 MODERN VIEW OF ATOMIC STRUCTURE: ATOMIC WEIGHTS
2.18, 2.20, 2.22, 2.24, 2.26, 2.28

p. 72 PERIODIC TABLE: MOLECULES AND IONS
2.37, 2.38, 2.39, 2.42, 2.43, 2.46, 2.47, 2.52, 2.54, 2.56, 2.58, 2.60

p. 74 NAMING INORGANIC COMPOUNDS: ORGANIC MOLECULES.
#2.61, 2.64, 2.66, 2.68, 2.70, 2.72

ASSIGNMENT # 3

CHAPTER 3 p. 79 – 117

p. 108 VISUALIZING CONCEPTS # 3.1 – 3.8

p. 109 EXERCISES # 3.11, 3.12

p. 110 PATTERNS OF REACTIVITY # 3.20

p. 110 FORMULA WEIGHTS # 3.22, 3.24

p. 111 AVOGADRO'S NUMBER AND THE MOLE # 3.28, 3.34, 3.36

p. 112 EMPIRICAL FORMULAS # 3.44, 3.46, 3.50

p. 113 CALCULATIONS BASED ON CHEMICAL EQUATIONS
3.58, 3.60

p. 114 LIMITING REACTANTS: THEORETICAL YIELDS
3.70, 3.74, 3.78, 3.80

BE SURE TO PROOFREAD ALL ANSWERS AND MAKE SURE THAT MATH ANSWERS HAVE CORRECT SIGNIFICANT DIGITS AND UNITS.