

# AP<sup>®</sup> Chem Assignments Q1 2017-2018

Truitt

Topics	Reading Assignment	Homework Due
<u>Weds, Aug 9</u> Introductions, Mastering Chem Dimensional Analysis, Units		Check masteringchemistry.com DAILY; due by 11:59 pm
<u>Thursday, Aug 10</u> Dimensional Analysis, Units, Significant Digits, Error	(Review 1.1-1.3, as needed) 1.4-1.6	MC: Introduction to MC
<u>Friday, Aug 11</u> Atomic Structure, Atomic Mass, and Weight	2.1-2.4	
<u>Monday, Aug 14</u> Molecular Structure, Lab Safety Review	2.5-2.7	MC: Dimensional Analysis and Math Review
<u>Tuesday, Aug 15</u> Inorganic Nomenclature	2.8; Print, Read, & Complete "Writing Ionic Formulas", "Writing Covalent Formulas", & "Nomenclature"	
<u>Wednesday, Aug 16</u> Problem Set: Nomenclature		MC: Atomic Structure, Mass, and Weight
<u>Thursday, Aug 17</u> Lab Notebook Setup, Lab 1: Equipment, Measurement, and Technique	Print and Read Lab, Prepare Lab Notebook	MC: Molecular Structure
Friday, Aug 18 <b>Quiz 1</b> Empirical & Molecular Formulas, Percent Composition, Moles,	3.1 – 3.3	MC: Nomenclature (SUNDAY @11:59 pm)
Monday, Aug 21 Combustion Analysis	3.4 – 3.6	MC: Empirical Formulas & Percent Composition
Tuesday, Aug 22 Stoichiometry, Limiting Reagents, Percent Yield	3.6 – 3.7	
Wednesday, Aug 23 Limiting Reagents, Percent Yield		MC: Percent Composition & Combustion Analysis
Thursday, Aug 24 Lab 2: Percent Water in a Hydrate	Print and Read Lab, Prepare Lab Notebook	MC: Stoichiometry
Friday, Aug 25 <b>Quiz 2</b> Problem Set: Stoichiometry	Review Ch. 1-3	MC: Limiting Reagents & Percent Yield (SUNDAY @11:59 pm)
Monday, Aug 28 Review/Remediation		
Tuesday Aug 29 <b>TEST I (Ch. 1-3)</b>		
Wednesday, Aug 30 Conc, Solubility, Precip	4.1 – 4.2	
Thursday, Aug 31 Lab 3: Stoichiometry of a Reaction		MC: Solutions and Precipitation
Friday, Sept 1 Lab 3 cont'd. (mass product)		
<i>Monday, Sept 4</i> <i>Extended Weekend – Labor Day</i>		MC: Neutralization

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Tuesday, Sept 5 Intro to Acids & Bases, Conc, Solution Stoichiometry	4.3, 4.5 – 4.6	MC: Concentration
Wednesday, Sept 6 Problem Set: Solution Stoich		MC: Aqueous Reactions and Stoichiometry
Thursday, Sept 7 Lab 4: Metathesis and Net Ionic Equations	Print and Read Lab, Prepare Lab Notebook	
Friday, Sept 8 <b>Quiz 3</b> Energy, 1 <sup>st</sup> Law of Thermodynamics, Enthalpy	5.1-5.5	MC: Energy (SUNDAY @11:59 pm)
Monday, Sept 11 Enthalpy of Reaction, Calorimetry	5.5-5.6	
Tuesday, Sept 12 Calorimetry, Hess's Law, Reaction Enthalpy	5.6-5.7	MC: Calorimetry
Wednesday, Sept 13 Hess's Law, Reaction Enthalpy		
Thursday, Sept 14 Lab 5: Calorimetry – Hess's Law	Print and Read Lab, Prepare Lab Notebook	MC: Hess's Law
Friday, Sept 15 Problem Set: Calorimetry, Hess's Law, and Enthalpy of Reaction		MC: Reaction Enthalpy (SUNDAY @11:59 pm)
Monday, Sept 18 <b>Quiz 4</b> Review/Catch-up		
Tuesday, Sept 19 Light and Atoms, Spectra	6.1-6.3	
Wednesday, Sept 20 Review, Remediation	Review Ch. 4 & 5	
Thursday, Sept 21 <b>TEST II (Ch. 4 &amp; 5)</b>		
Friday, Sept 22 Quantum Mechanics, Electrons	6.4-6.6	MC: EM Spect & Electrons (SUNDAY 11:59 pm)
Monday, Sept 25 Electron Configurations	6.7-6.9	MC: Quantum Mechanics
Tuesday, Sept 26 Problem Set: Electrons		
Wednesday, Sept 27 Electron Configurations from PT		MC: Orbitals, Atoms, and Electrons
Thursday, Sept 28 Lab 6: Flame Test	Print and Read Lab, Prepare Lab Notebook	
Friday, Sept 29 <b>Quiz 5</b> The Periodic Table, $Z_{\text{eff}}$ ,	Review 2.5 as needed, 7.1-7.3	MC: Electron Configurations (SUNDAY @11:59 pm)
Monday, Oct 2 Periodic Trends	7.3-7.8	MC: The Periodic Table
Tuesday, Oct 3 Trends in Groups		MC: Periodic Trends
Wednesday, Oct 4 Review, Remediation	Review Ch. 6 & 7	
Thursday, Oct 5 <b>TEST III (Ch. 6 &amp; 7)</b>		

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Friday, Oct 6 Lewis Diagrams, Octet Rule, Bonding Types	8.1-8.5	
<i>Monday, Oct 9</i> <i>Extended Weekend – Columbus Day</i>		
Tuesday, Oct 10 Bonding, Lewis Structures	8.5-8.8; Lewis Structures (Print and Read)	MC: Bonding
<i>Wednesday, Oct 11</i> <i>No Class - PSAT</i>		
Thursday, Oct 12 Lab 7: Molecular Modeling	Print and Read Lab, Prepare Lab Notebook	
<b>BEGIN Q2</b>		
Friday, Oct 13 Problem Set: Lewis Structures		
Monday, Oct 16 Lewis Structures, VSEPR	9.1-9.2	
Tuesday, Oct 17 VSEPR, 3D Structures, Hybrids	9.3-9.4	MC: Lewis Structures
Wednesday, Oct 18 <b>Quiz 6</b> VSEPR	9.3-9.5	
Thursday, Oct 19 Multiple Bonds, VSEPR, Hybrids	9.5-9.6	MC: VSEPR
Friday, Oct 20 Problem Set: Lewis Struct & VSEPR		MC: Bonding and Structures
Monday, Oct 23 <b>**MOLE DAY**</b> Review/Remediation		
<i>Tuesday, Oct 24</i> <i>No Class – Science Carnival</i>		
Wednesday, Oct 25 Gases, Pressure, KMT	10.1-10.2 (10.7)	
Thursday, Oct 26 <b>TEST IV (Ch. 8 &amp; 9)</b>		