

Chemistry 2 AP/Honors

Summer Assignment Sheet

Questions? I will be available by email all summer (please allow a few days for response).

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Assignment:	Support/Instruction:
<b>Matter, Properties and Change Worksheet</b>	PowerPoint: <b>Matter and Change</b> <b>n.b.:</b> Things in this column which are underlined are web links
<b>SI Prefix Worksheet</b> <b>Units and Measurement Worksheet</b>	PowerPoint: <b>Measurement</b> Video: <a href="#">What Are Sig Figs?</a> Video: <a href="#">Counting Sig Figs Method A</a> Video: <a href="#">Counting Sig Figs Method B</a> Video: <a href="#">Doing Math With Sig Figs</a> Video: <a href="#">Intro to Measurement and Uncertainty</a> Video: <a href="#">Measurement Continued Calculating Deviation</a>
Review Polyatomic Ions/Elements	<b>Flash Cards</b> from Chem. One <a href="#">Elements</a> ; <a href="#">Polyatomic Ions</a>
<b>Inorganic Nomenclature and Create a Compound Worksheet</b>	Handout: <b>Inorganic and Molecular Nomenclature</b> PowerPoints: <b>Ionic Compounds</b> ; <b>Molecular Compounds</b>
<b>Organic Structure and Nomenclature Worksheet</b> (Use the Cyclic Compounds and Functional HO as a guide to complete this WS, you will not need to know all of that HO)	Handouts: <b>Organic Nomenclature</b> ; <b>Cyclic Compounds and Functional Groups</b> PowerPoint: <b>Benzene</b> (Use this to learn structure of benzene and to answer worksheet questions)
Prepare for <b>Safety and Equipment Quiz</b>	Handouts: <b>Safety Rules</b> ; <a href="#">Lab Equipment Sheet</a> ; <b>Chem Games</b> <b>Safety Video</b> <a href="#">Part 1</a> <a href="#">Part 2</a>
Assessments (End of 1 <sup>st</sup> week beginning of 2 <sup>nd</sup> week of School):	
Matter and Measurement Quiz	Includes: S.I. Units, Conversions, Sig Figs; Deviation; Models; Lab Design; Changes, etc.
Nomenclature Quiz	Includes: Element names, symbols, names and formulas, for both inorganic and organic compounds.
Safety/Equipment Quiz	Must score a minimum of 90%
Separation Lab	Come up with your own design to separate components of a heterogeneous mixture.