SI - Chemistry – Spring 2008

Jan 14 Introductory Materials, Background Investigation Concept map	**15 B**	**16 I**	**17 C** **Elements vs. Compounds** Compound Naming Practice **Memorize Polyatomic ions on pages 42 and 43** (Distribute water sample bottles)	**18 D**
21 **Martin Luther King Day Holiday**	**22 A** **Metals Lab – Group I (Save samples)** Predict Group II Begin types of reaction packet	**23 B**	**24 C** **Metals Lab – Group II (Save samples)** Continue types of reactions packet	**25 D**
28 A **Chemical Reactions lab** Water Testing: What do we need to test?	**29 B**	**30 I**	**31 C** **Water Testing** Results & Discussion	**Feb 1 D**
4 A Units and Concentration (molarity) Significant Figures Unit Review	**5 B**	**6 I**	**7 C** Unit One Assessment (60 minutes) **Polar Liquids**	**8 D**
11 A Assessment Review Bonding, molecular geometry and intermolecular forces	**12 B Interims Due** **Mods 11-20 only**	**13 C** **Likes dissolve likes** **Dissolving vs. Reacting**	**14 B Mods 1-10** **See Feb 11-12**	**15 Extended** →
18 **Presidents Day Holiday**	**19 D** **See Feb 13th**	**20 I**	**21 C** **Counting by weighing** Mole conversions practice	**22 D**
25 A **Determination of the number of atoms in metal sample** Stoichiometry Practice	**26 B**	**27 I**	**28 C** **Titration of two Strong Acids with Sodium hydroxide** (Discuss proton donor vs. proton acceptor) More Stoichiometry practice	**29 D**
Mar 3 A **Mole Ratio Lab**	**4 B**	**5 I**	**6 C** **Mole Ratio Lab Revisited** Unit Review	**7 D**
10 A Unit 2 Assessment (60 min) **Fruit Batteries Activity**	**11 B 3rd Qtr Ends**	**12 I**	**13 C** Voltages, Batteries **Table of Reduction Potentials**	**14D**

17 A **Equilibrium Analogy**	**18 B**	**19 C**	**20 D** **Disturbing Equilibrium** Distribute bottles for household chemical samples	**21** **Spring Break Starts**
31 A Equilibrium of Weak Acids	**Apr 1 B**	**2 I**	**3 C** **Titration of Weak Acid with a Strong Base** Discussion of K_a	**4 D**
7 A pH scale **household sample testing** indicators	**8 B**	**9 I**	**10 C** Evaluate household chemicals K_a calculations	**11 D**
14 A Lab Practical for Unit 3 Assessment Review for Written Assessment	**15 B**	**16 I**	**17 C** Assessment 3 (60 minutes) **What a Gas Activity**	**18 D**
21 A Phases of Matter KMT **John's Law Demo**	**22 B**	**23 I Interims Due**	**24 C** **Gas Stoichiometry lab** Gas law problems	**25 D**
28 A **Specific heat of metals**	**29 B**	**30 I** IMSAloquium	**May 1** Extended Weekend →	**2**
5 A Energetics Calorimetry- Phase changes	**6 B**	**7 I**	**8 D** **Alcohol Lab** Calibration of coffee can calorimeters	**9 I**
24 A **Con't with Alcohol Lab** Determination of longer-chain alcohols	**13 B**	**14 B** Finish calorimetry How much energy was released when our metal reacted?	**15 D**	**16 I**
19 A Unit 4 Assessment (Both practical and written)	**20 B**	**21 I**	**22 C-short – 2:30** Assessment Review Final Exam Review	**23 D-short – 2:30**
26 Memorial Day Holiday	**27** Final Exam Days →	**28**	**29**	**30**