Module 4
Compounds
Aktiv Chemistry and Textbook

Complete study materials for module 4. Then complete the assignment below. The left-hand column provides the objectives on which you will be tested on the exam. The last column lists the Aktiv Chemistry problems related to those objectives. You will find the Aktiv Chemistry problems at: https://aktiv.com/chemistry/. If you are struggling to do the Aktiv Chemistry practice problems, read the sections recommended in your textbook in the middle column. You will find the textbook in the content tab in your D2L site.

Objectives **Be able to:**	**Supporting sections in textbook**	**Aktiv Chemistry (old name: Chem 101) practice problems.**
Compare and contrast ionic and covalent compounds (bonds and properties)._	5.3	Module 4 – Ionic vs. Covalent (15 problems)
Determine most stable ion formed from elements.	4.5	Module 4 - Ions (15 problems)
Determine names and formulas of Ionic compounds (with monoatomic ions or polyatomic ions).	4.5 & 5.3	Module 4 – Ionic Compound Nomenclature (17 problems) & Module 4 – Nomenclature with Polyatomic Ions (17 problems)
Determine names and formulas of covalent compounds with two elements.	5.4 & 5.6	Module 4 – Covalent Compound Nomenclature (20 problems)
Draw and analyze Lewis structures of covalent compounds and identify their shapes using VSEPR.	5.5 & 5.6	Module 4 – Lewis Structures (15 problems) & Module 4 – Lewis Structures and Geometries (10 problems)
Analyze polarity of covalent compounds (bonds and molecules).	5.5	Module 4 – Polar vs. Nonpolar Bonds (15 problems) & Polarity of Molecules (10 problems)