

NAME:

HONORS CHEMISTRY

SECTION:

Chemical Nomenclature Assignment Sheet (Chapter 5)

Assignment	Due Date
1. *Poetry project rough draft— submit in Google Classroom by 2:20 pm	Friday, 10/4
2. Learn the names and symbols of elements 21-30	Monday, 10/7
3. Work on poetry project final draft	
4. §Handout on writing ionic names and formulas	Tuesday, 10/8
5. Learn the names and symbols of elements 21-30	
6. Study the polyatomic ions <i>Figure out patterns for the ate vs. ite ions</i>	
7. Learn the names and symbols of elements 21-30	Wednesday, 10/9
8. Work on poetry project final draft	
9. Study the polyatomic ions <i>Figure out the pattern for the hydrogen polyatomics</i>	
10. Study the polyatomic ions	Thursday, 10/10
11. *Complete Google Classroom assignment (will be checked online)	
12. Work on poetry project final draft	
13. Study for polyatomic ions quiz	Friday, 10/11
14. §Handout on writing molecular names and formulas	
15. §Turn in completed poetry project	Tuesday, 10/15
16. *Google classroom assignment on acid nomenclature (will be checked online)	Wednesday, 10/16
17. Learn the names and symbols for "More Elements"	
18. Complete the Chapter 5 review sheet (answer key will be posted online)	Thursday, 10/17
19. Study for Chapter 5 Test	
20. Learn the names and symbols for "More Elements"	Friday, 10/18
21. Work on <i>Determining an Empirical Formula</i> formal individual lab report	
22. Learn the names and symbols for "More Elements"	Monday, 10/21
23. *Complete 10 problems at the Online HW site #19—upload in Google Classroom	
24. Finish the <i>Determining an Empirical Formula</i> formal individual lab	Tuesday, 10/22

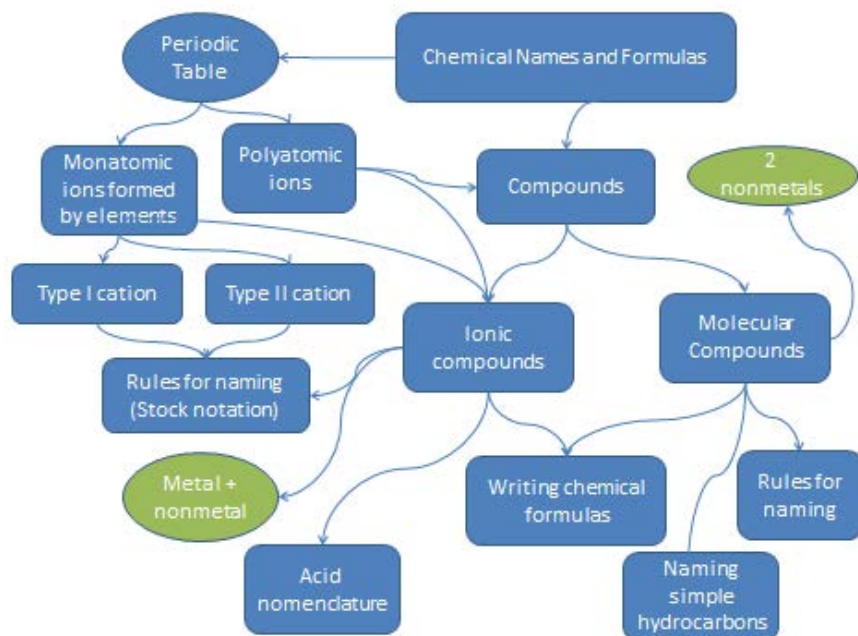
Dates to Remember:

Quiz on polyatomic ions: Friday, 10/11
 Poetry Project Final Draft due Tuesday, 10/15
 Short Chapter 5 Test: Thursday, 10/17

§May be checked or collected in class

*Will be checked online

Chapter 5 Advance Organizer



After studying chapter 5, you should be able to:

- Infer the charge on a monatomic ion using the periodic table.
- Relate the formula of a compound to the numbers and types of atoms in the compound.
- Classify compounds as either ionic or molecular.
- Define a polyatomic ion and memorize the names and formulas of common polyatomic ions.
- Determine the formula of an ionic compound formed between two given ions.
- Name an ionic compound (Type I, Type II, and ternary compounds) given its formula.
- Using prefixes, name a binary molecular compound (Type III) from its formula.
- Write the formula of a binary molecular compound given its name.
- Write the name of an acid from its formula
- State the formula of an acid from its name.

Some Useful Websites:

- <https://www.wisc-online.com/learn/natural-science/chemistry/gch603/chemical-formulas> A good overview for the chapter
- <https://www.wisc-online.com/learn/natural-science/chemistry/gch3004/oxidation-states-of-ions>
- http://www.angelo.edu/faculty/kboudrea/general/formulas_nomenclature/Formulas_Nomenclature.htm#Types%20of%20Compounds
- <http://www.quia.com/jg/65767.html> matching, concentration, and word search online activities
- <http://www.sciencegeek.net/Concentration/Cations/cations.html> cation formula practice
- <http://www.sciencegeek.net/Concentration/Anions2/anions.html> anion formula practice
- <http://www.sciencegeek.net/Chemistry/Review/BinaryIonic/>
- <http://www.sciencegeek.net/Chemistry/Review/Polyatomics/>
- <http://www.sciencegeek.net/Chemistry/Review/BinaryCovalent/>
- <http://www.sciencegeek.net/Chemistry/taters/ions/page1.htm> formula writing practice
- <http://www.quia.com/jg/65800.html> practice for binary ionic compounds
- <http://www.fernbank.edu/Chemistry/nomen.html> Includes interactive practice problems
- <http://www.chemteam.info/Nomenclature/Acid-Nomenclature.html>
- http://preparatorychemistry.com/Bishop_acid_nomenclature_help.htm
- <http://www.kentschools.net/ccarman/cp-chemistry/practice-quizzes/compound-naming/>
Interactive practice (don't select molar mass calculations—that is a later unit!)