

Grade 11

Distance Learning Module 1: Week of: March 30 - April 2 (4 days)

Review of Nomenclature

Content Area: Level II Chemistry - Modified from [Unit 3 - Atomic Structure and Nomenclature](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge:

That correct formulas and names of ionic compounds, molecular compounds, and organic compounds can be determined by the structure of nomenclature. Ionic compounds are made of cations and anions. Outer level electrons are transferred from metals to nonmetals, in the formation of ionic compounds. Valence electrons are shared between atoms of nonmetals and/or metalloids, in molecular compounds. Atoms of transition metals tend to form more than one charge, and there for the Stock system is used in their name. Organic compounds are made of carbon and hydrogen.

Vocabulary: atom, molecule, ion, formula unit, salt, ionic compound, molecular compound, organic compound, polyatomic ion, valence electron, metal, nonmetal, transition metal, metalloid, halides, alkalis, alkalines

Skills: Apply understanding of atomic structure to nomenclature. Using the Periodic Table, classify a compound as molecular, and provide its correct name. Apply rules of nomenclature to write chemical names and formulas for ions, and ionic compounds. Analyze a common chemical compound and classify as ionic, molecular, or organic.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Review binary ionic compounds, watch edpuzzle videos, complete worksheet, and submit completed worksheet and notes from videos	<u>An EdPuzzle-Video 1 - Ions & Ion Formation</u> An EdPuzzle Video 2 - Naming Ionic Compounds	<u>Nomenclature WKST 2 Binary Ionic 3 parts (III).doc</u>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
	EdPuzzle Video 3 - Ionic Compounds: Binary Ionic Compounds <u>Binary Ionic Compounds Containing Transition Metals.pdf</u>	
Tuesday: Review binary molecular compounds, watch edpuzzle video, complete worksheet, and submit completed worksheet and notes from video	<u>EdPuzzle - Video 4 - Naming Binary Molecular Compounds 2019</u> <u>Binary Molecular.pdf</u>	<u>Nomenclature WKST 5 Molecular Binary.doc</u> <u>Nomenclature WKST 6 Molecular and Ionic, mixed.doc</u>
Wednesday: Review compounds containing polyatomic ions, complete worksheet, and submit completed worksheet and notes from video	EdPuzzle Video 5 - Review of Ionic Compounds Containing Polyatomic I <u>List of Polyatomic Ions.doc</u> <u>Ionic Compounds Containing Polyatomic ions.pdf</u>	<u>Nomenclature WKST 3 Polyatomic Ions.doc</u>
Thursday: Summative Practice Sheet, complete worksheet, and submit completed worksheet and notes from video		<u>Nomenclature Formative</u>
Friday: Review of Nomenclature Repeat Worksheets, or Summative practice from Thursday as needed Content Check - Google Form Quiz		

Week criteria for success (attach student checklists or rubrics):

- ☐ watched all of the recorded videos and taken notes
- ☐ completed worksheets 2, 5, 6, 3 and practice test, submitted on google classroom for feedback
- ☐ incorporated feedback, submitted second attempt, if needed on google classroom

Supportive resources and tutorials for the week (plans for re-teaching):

- online virtual Q and A help sessions (see Google Classroom for times and invite codes)
- read and re-read the textbook, watch videos on Edpuzzle multiple times