

Grade 11

Distance Learning Module 4: Week of: April 20 - April 24

Chemistry Level II - Modified from Unit 4 - [The Mole, Chemical Reactions, and Stiochiometry](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: One mole of a substance contains Avogadro's number of particles and has a mass equal to the atomic mass of the element on the Periodic Table, in grams. Chemical formula describes the ratio of elements in a compound.

Vocabulary:

Skills: Make conversions among particles, mass, and moles of any substance.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Introduction to Avodgadro's Number <ul style="list-style-type: none">❑ Watch Edpuzzle video 1 on Avogadro's number and take notes.❑ Save notes to submit when you have completed the module.	Edpuzzle video – Introduction to Moles	
Tuesday: Practice Solving problems Using Avogadro's Number <ul style="list-style-type: none">❑ Watch both Edpuzzle videos 2 and 3 on conversions and take notes on each❑ Read Smartboard notes, copy into your notes for the module.❑ Try Worksheet 1. As a first step, write known, unknown, and identify conversion factors. THEN you may proceed with dimensional analysis	Edpuzzle video - Video 2 (Module 4) Moles-to-Particles Edpuzzle video Video 5 (Module 4) Mole Conversions Ch 7 Sections 1-3.pdf KEY Mod 3 WKST 1.pdf	Mole WKST 1 Avogadro_s number.doc

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<input type="checkbox"/> Submit worksheet 1, when completed <input type="checkbox"/> Save notes to submit when you have completed the module.		
Wednesday: <input type="checkbox"/> Continue with problems from Tuesday. Once you have known, unknown, and have identified conversion factors, THEN you may proceed with dimensional analysis. Try Worksheet 2. <input type="checkbox"/> Submit Worksheet 2 when completed. <input type="checkbox"/> Save notes to submit when you have completed the module.	KEY Mod 3 WKST 2 Avogadro_s number	Mole WKST 2 Avogadro_s number.doc
Thursday: Calculating Molar Mass. <input type="checkbox"/> Watch Edpuzzle video 4, on how to calculate Molar mass, take notes on the video <input type="checkbox"/> Review Smartboard notes, copy into your notes <input type="checkbox"/> Calculate the molar masses of compounds on worksheet 3. Just try problems 1. <input type="checkbox"/> Save notes to submit when you have completed the module.	Edpuzzle video - Video 3 (module 4) - How to Calculate Molar Mass Practice KEY Mod 3 WKST 3.pdf	MOLE WKST 3 Molar Mass
Friday: More Practice with Mole Problems Solving Problems that use molar mass as a conversion factor. <input type="checkbox"/> Watch Edpuzzle video 5, take notes <input type="checkbox"/> Follow the same procedure (known	Edpuzzle - Molar Mass Conversions KEY Mod3 WKST 4 Moles, Mass, Particles, Mixed	Mole WKST 4 Moles, Mass, Particles, Mixed.doc

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>unknown, conversion factors) to finish Worksheet 3 from yesterday, problems 2 and 3. You may disregard problems 4 and 5.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Proceed worksheet 4. Write known, unknown, and identify conversion factor. THEN you may proceed with dimensional analysis. <input type="checkbox"/> Submit worksheet <input type="checkbox"/> Submit notes <input type="checkbox"/> Content Check - Google Form Quiz 		

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

- ☐ watched all of the recorded videos and taken notes
- ☐ worksheets 1, 2, 3, 4, attempted, and completed to your best effort, submitted on google classroom for feedback

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, and watch videos on Edpuzzle again