

Grade 11

Distance Learning Module 3: Week of: April 13 - April 17

## **Content Area: Level II Chemistry - *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 Avodgado's Number <input type="checkbox"/> Watch Edpuzzle video 1 on Avogadro's number and take notes. Submit picture of your notes by Friday	Edpuzzle- Video 1 (module 3) - Introduction to Moles	
Tuesday: Practice Solving problems Using Avogadro's Number <input type="checkbox"/> Watch both Edpuzzle videos 2 and 3 on conversions and take notes on each <input type="checkbox"/> Read Smartboard notes, copy into your notebook. <input type="checkbox"/> Try Worksheet 1. As a first step, write known, unknown, and identify conversion factors. THEN you may	Edpuzzle - Video 2 (module 3 ) - Moles-to-Particles Conversion  Edpuzzle - Video 3 (module 3) - 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)
<p>proceed with dimensional analysis</p> <ul style="list-style-type: none"> <li>❑ Submit picture of your notes (on videos or in your notebook) and efforts on the worksheet by Friday</li> </ul>		
<p>Wednesday:</p> <ul style="list-style-type: none"> <li>❑ 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.</li> <li>❑ Submit picture of your efforts on the worksheet by Friday</li> </ul>	<p>KEY Mod 3 WKST 2 Avogadro_s number</p>	<p>Mole WKST 2 Avogadro_s number.doc</p>
<p>Thursday:</p> <p>Calculating Molar Mass.</p> <ul style="list-style-type: none"> <li>❑ Watch Edpuzzle video 4, on how to calculate Molar mass, take notes on the video</li> <li>❑ Review Smartboard notes, copy into your notebook</li> <li>❑ Calculate the molar masses of compounds on worksheet 3. Just try problems 1.</li> <li>❑ Submit picture of your notes (on videos or in notebook) and efforts on the worksheet by Friday</li> </ul>	<p>Edpuzzle - Video 4 (module 3) - How to Calculate Molar Mass Practice Problems</p> <p>KEY Mod 3 WKST 3.pdf</p>	<p>MOLE WKST 3 Molar Mass</p>
<p>Friday:</p> <p>More Practice with Mole Problems</p> <p>Solving Problems that use molar mass as a conversion factor.</p>	<p>Edpuzzle - Video 5 (Module 3) Molar Mass Conversions</p> <p>KEY Mod3 WKST 4 Moles, Mass, Particles,</p>	<p>Mole WKST 4 Moles, Mass, Particles, Mixed.doc</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<input type="checkbox"/> Watch Edpuzzle video 5, take notes <input type="checkbox"/> Follow the same procedure (known unknown, conversion factors) to finish Worksheet 3 from yesterday, problems 2 and 3. You may disregard problems 4 and 5. <input type="checkbox"/> Proceed worksheet 4. Write known, unknown, and identify conversion factor. THEN you may proceed with dimensional analysis. <input type="checkbox"/> Submit picture of your notes and efforts on the worksheet by Friday.  Content Check - Google Form Quiz	Mixed	

**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