

Grade 8

Distance Learning Module 8: Week of May 26th – May 29th

Grade 8 Science: *Modified from – [Unit 4 Chemistry](#)*

Targeted Goals:

Vocabulary: Protons, neutrons, electrons, valence electrons, oxidation number, Lewis Dot, metals, nonmetals, metalloids

Skills: Synthesize information and communicate learning.

Expectation: Students will be able to accurately identify the family that elements belong to as well as determine the correct number of valence electrons related to that family.

Answer keys are provided to students so that they can self-assess their learning. Students will have a check-in at the end of each week to determine their level of understanding. An answer key will not be provided for this teacher-assessed assignment

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday:	Memorial Day	No School- NO WORK TO BE COMPLETED!!!!
Tuesday: How to Read the Periodic Table of Elements	Power Point: The Periodic Table of Elements https://www.youtube.com/watch?v=fLSfgNx0VGk	Interactive Webpage: Check your own work. There is NO need to email this to your teacher the results. Liveworksheets.com The_Periodic_Table_Worksheet Scavenger Hunt: Periodic Scavenger Hunt Scavenger Hunt Answer Key: Answer Key Periodic Scavenger Hunt
Wednesday: Continue investigating the Periodic Table:	Metals/NonMetals/Metalloids (document posted in Google Classroom)	Activity: Periodic Table Crossword Puzzle: (link to puzzle posted in Google Classroom) Metals/Nonmetal Activity: (link to activity posted in Google Classroom)

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Thursday: Oxidation number and Lewis Dot structures	YouTube Video: (Watch until minute 7:14) Drawing Lewis Dot Diagrams How to Draw a Single Lewis Dot Element: (document posted in Google Classroom)	Worksheet: How Valence Electrons relate to Oxidation Numbers Answer Key: Answer Key to How Valence Electrons relate to Oxidation Numbers Drawing a Lewis Dot Diagram compared to the Bohr Model: practicebohrlewisdot.docx
Friday: Complete the Edulastic Check-In	Edulastic Check-In	Edulastic Check-In:

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

Students will be able to complete worksheets and complete Edulastic check in with 80% or greater.

Supportive resources and tutorials for the week (plans for re-teaching): (links posted in Google Classroom)

How to Read the Periodic Table of Elements Power Point:
Periodic Table of Elements