

Grade 11

Distance Learning Module 9: Week of: June 1<sup>st</sup> - June 5<sup>th</sup>

## ***Chemistry Level II - Modified from Unit # 7 - Unit Title Molecular Geometry and Intermolecular Forces of Attraction***

### **Targeted Goals from Stage 1: Desired Results**

**Content Knowledge:** The localized electron bonding model describes and predict the molecular geometry using Lewis diagrams and the VSEPR model.

**Vocabulary:**

**Skills:** Use Lewis Dot structures to predict molecular shape and polarity (including bond angles, bond polarity, and hybridization).

**Expectation:**

<b>Description of Task (s):</b>	<b>Resources and Materials:</b>	<b>Daily Checks (Return to Google Classroom or snapshots from a cell phone)</b>
Monday: <ul style="list-style-type: none"><li><input type="checkbox"/> Review Google Slides on Dot Formulas of Atoms, take notes</li><li><input type="checkbox"/> Complete WKST 1, Dot Diagrams of atoms</li><li><input type="checkbox"/> Watch Eduzzle Video 1, Introduction to Bonding, take notes</li><li><input type="checkbox"/> Keep notes to submit when you have completed the module</li></ul>	DL_Electron-Dot_Formulas of Atoms  DL_WKST 1 Dot Drawings of Atoms.doc  KEY WKST 1 Dot Diagrams of Atoms.pdf  Edpuzzle Vid_3_Mod_9_Lewis Diagrams Made Easy: How to Draw Lewis Dot Structures	<ul style="list-style-type: none"><li><input type="checkbox"/> Viewing of videos - grade will automatically transfer to Classroom gradebook from Edpuzzle when you watch video to completion and select "show results" at the end.</li><li><input type="checkbox"/> Completed WKST 1</li></ul>
Tuesday: <ul style="list-style-type: none"><li><input type="checkbox"/> Read pdf (Smartboard presentation) of rules for drawing Lewis Structures, take notes. Include a definition of</li></ul>	DL_Smartboard - Lewis Structures.pdf  Edpuzzle: Vid_2_Mod_9_Lewis Structures	<ul style="list-style-type: none"><li><input type="checkbox"/> Viewing of videos - grade will automatically transfer to Classroom gradebook from Edpuzzle when you watch video to completion and select</li></ul>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Valence Electrons. <input type="checkbox"/> Watch Edpuzzle Video 2 on Lewis Structures, take notes. <input type="checkbox"/> Watch Edpuzzle Video 3, on Lewis Diagrams Made Easy <input type="checkbox"/> Complete WKST 2 - carefully draw the Lewis Structure for each molecule. <input type="checkbox"/> Keep notes to submit when you have finished the module	<a href="https://edpuzzle.com/media/5eb84a8adbe00a3f0478e781">https://edpuzzle.com/media/5eb84a8adbe00a3f0478e781</a>  DL_WKST_2_Lewis_Diagrams_Molecules.doc  KEY WKST 2 - Lewis Diagrams.pdf	"show results" at the end. <input type="checkbox"/> Completed WKST 2
Wednesday: <input type="checkbox"/> Watch Edpuzzle Video 4 on VSEPR and Molecular Geometry, take notes <input type="checkbox"/> Read through Google Slides (10.2 Shapes of Molecules and Ions) and supplement notes <input type="checkbox"/> Complete WKST 3, predicting Molecular Shape, using your notes and reference sheet <input type="checkbox"/> Keep notes to submit when you have completed the module	<a href="https://edpuzzle.com/media/5eb97ecf75da953edf5cd948/edit">https://edpuzzle.com/media/5eb97ecf75da953edf5cd948/edit</a>  10_2_VSEPR_Theory  DL_Reference of AXE Patterns and Resulting Shapes  DL_WKST 3 Molecular Shape.doc  KEY WKST 3 Molecular Geometry.pdf	<input type="checkbox"/> Viewing of videos - grade will automatically transfer to Classroom gradebook from Edpuzzle when you watch video to completion and select "show results" at the end. <input type="checkbox"/> Completed WKST 3
Thursday: <input type="checkbox"/> Watch Edpuzzle Video 5 on Practice Problems <input type="checkbox"/> Complete WKST 4, drawings, shapes, and bond angles for all molecules <input type="checkbox"/> Keep notes to submit when you have completed the module	Edpuzzle: Vid_5_Mod_9_VSEPR Theory Practice Problems  DL_WKST 4 Molecular Geometries.doc  KEY WKST 4 Molecular Geometry.pdf	<input type="checkbox"/> Viewing of videos - grade will automatically transfer to Classroom gradebook from Edpuzzle when you watch video to completion and select "show results" at the end. <input type="checkbox"/> Completed WKST 4
Friday: <input type="checkbox"/> Submit Notes for the Module <input type="checkbox"/> Complete Content Check		<input type="checkbox"/> Submit notes <input type="checkbox"/> Complete Content Check - link will be posted by Friday, 9AM

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

- watched all of the recorded videos and taken notes
- completed worksheets and practice test, submitted on google classroom for feedback

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

- daily 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