

Chemistry - Organic: Unit 6 - Conformations (Newman & Chair)

Unit #:	ACVSD-00069200	Date(s)	02-11-2019
Team: Kristin Hurrelbrink (Author) Grade(s): 11, 12 Subject(s): Science			
Unit Focus			
Students will learn two main types of organic conformations - Newman projections and chair conformations.			
Prior Learnings/Connection			
Bond-line drawings, nomenclature, VSEPR Theory			
Stage 1: Desired Results - Key Understandings			
Standard(s)	Transfer		
Pennsylvania Assessment Anchors and Eligible Content <i>Chemistry: 11</i> <ul style="list-style-type: none">Explain the relationship between the electron configuration and the atomic structure of a given atom or ion (e.g., energy levels and/or orbitals with electrons, distribution of electrons in orbitals, shapes of orbitals). <i>CHEM.A.2.2.3</i>Use illustrations to predict the polarity of a molecule. <i>CHEM.B.1.3.3</i>Recognize and describe different types of models that can be used to illustrate the bonds that hold atoms together in a compound (e.g., computer models, ball-and-stick models, graphical models,	<i>What kinds of long-term, independent accomplishments are desired? Students will be able to independently use their learning to...</i>		
	Meaning		
	Understanding(s)	Essential Question(s)	
	<i>What specifically do you want students to understand? What inferences should they make? Students will understand that...</i>	<i>What thought-provoking questions will foster inquiry, meaning making, and transfer? Students will keep considering...</i>	
	Acquisition of Knowledge and Skill		
	Knowledge	Skill(s)	
	<i>What facts and basic concepts should students know and be able to recall? Students will know...</i>	<i>What discrete skills and processes should students be able to use? Students will be skilled at...</i>	

solid-sphere models, structural formulas, skeletal formulas, Lewis dot structures).

CHEM.B.1.4.1

- Utilize Lewis dot structures to predict the structure and bonding in simple compounds. *CHEM.B.1.4.2*

Stage 3: Learning Plan

Alignment

Code

Learning Activities