

Krug Chemistry – Deep Run Daily Planning Guide

Date of Lesson: Q1 Day 14 – Unit 2 Test

Topic /Big Questions: (Question Stems & Question Creation Chart) <ul style="list-style-type: none"> • How is matter classified? • What forms can matter take? • How do heat and temperature affect matter? • How are matter and energy conserved? 	
State SOL CH1 CH 2 CH 6 CH7	Unpacking the Standards (Video explanation shown at 3:18) CH.1 The student will demonstrate an understanding of scientific and engineering practices by f) obtaining, evaluating, and communicating information CH2 Central Idea: The properties of elements, to include the periodic trends, are based on their atomic structure. The periodic table is an organizational tool that allows for the prediction of chemical and physical properties. CH 6 Central Idea: The movement of atoms and the relationship of energy and the phases is outlined in the Kinetic Molecular Theory. The gas laws describe the relationships of pressure, volume, temperature and number of particles of a gas. CH.7 The student will investigate and understand that thermodynamics explains the relationship between matter and energy. Key ideas include a) heat energy affects matter and interactions of matter; b) heating curves provide information about a substance;
Visible Learning (For the three items with asterisks*, think from a student perspective. Use simple language)	
*What am I learning today? Physical and Chemical Changes, Classifying Matter, States of Matter, Phases Changes, Heat Curve and Phase Diagrams, Heat, Temperature, Specific Heat, Density, Laws of Conservation	
*Why is it important? Understanding the physical and chemical properties of matter and the laws of conservation enables chemist to understand how physical changes and chemical reactions occur.	
*How will I know I've learned it? Mastery level for this information is set at 80% or higher on Unit Test.	
Differentiation strategies: Unit 2 Test Review – online in Schoology Morning Test Review – open to all students Short Review – beginning of each class	
Accommodations and/or modifications are being met for students with IEP's/504's. Unit Test available on Schoology or paper; small group testing; extended time	
Daily Plan/Sequence of Instruction: Teacher will answer last minute questions from the Unit 2 Test Review, which is due by the beginning of class. Teacher will offer a morning session test review for 45 minutes before school. (Open to all students – CP and Honors). Teacher will do a short review session at the beginning of each class (15 minutes). Students will use the rest of class time to complete the test.	

Assessments (List all [formative](#)/[summative](#) assessments used to check for understanding during this lesson. Summative assessments may occur during a different class period.):

Unit 2 Test Review – (summative) due at the beginning of class

Unit 2 Test – (summative) due by the end of class

After assessing today's lesson are you and your students comfortable moving forward with your next objective?

Yes - students have scored 80% or higher on the Unit 2 Test

No, remediation required to proceed – students, who fail the unit test, may visit during One Lunch to do test corrections in order to earn a 65% passing score.

Teacher reflection: Small group testing must be requested at least two days in advance.