

Week 16	Monday	Tuesday	Wednesday	Thursday	Friday
Objectives	<ul style="list-style-type: none"> Given Brief introduction on Phase Diagrams in bulkpack and diagram pictures, SWBAT complete Phase Diagram POGIL in groups and answer the questions that are included. 	<ul style="list-style-type: none"> Given information on Phase diagrams, SWBAT complete a practice problem of drawing their own phase diagram on a piece of paper to 75%. 	<ul style="list-style-type: none"> Given information on Calorimetry, Heat change formulas, and Phase Diagrams, SWBAT complete a Test on the second part of Unit 3A 	<ul style="list-style-type: none"> Given a reading on basic gas variables, students will be able to complete worksheet as a class to 90% ability and determine how the density of a gas is affected by temperature and pressure. 	<ul style="list-style-type: none"> Given a reading and Video on gases, SWBAT complete a preclass Quiz on the properties of gases to 75%. Given the units for pressure and the appropriate conversions, SWBAT convert the units to 85%.
PA Standards	<ul style="list-style-type: none"> 3.4.12.B 	<ul style="list-style-type: none"> 3.4.12.B 	<ul style="list-style-type: none"> 3.4.12.A 3.4.12.B 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 3.4.10.A 3.4.12.A
"Do Now"	<ul style="list-style-type: none"> #40 	<ul style="list-style-type: none"> #41 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> See below 	<ul style="list-style-type: none"> #43
Techniques & Strategies "Guided & Independent Practice"	<ul style="list-style-type: none"> Preclass GP-Teacher will Go over HW with students DI/GP-Teacher will briefly explain a Phase Diagram and explain how it is useful. notes (supplemental handout if necessary on Critical Pressure and Temp) IP- Students will complete POGIL on Phase Diagram in groups. Start HW "Phase Diagram" 	<ul style="list-style-type: none"> Preclass GP-Teacher will have students Go over HW IP- (bulkpack) #5 under Phase Change (10 pts turn in) IP-Teacher will hand out review sheet and have students practice problems in class. 	<ul style="list-style-type: none"> Test Unit 3A Part II 	<ul style="list-style-type: none"> DI-Teacher will ask: <u>Which phase of matter can be compressed the most? Why? (gases, solids, or liquids)-answer: gases because their molecules are spaced out the farthest.</u> IP-Students will fill in "Vocabulary" w/s on own GP-Students and teacher will review answers IP-Students will watch first 10 minutes of video It's Chemical: Density in Gases from www.unitedstreaming.com Students will complete the worksheets provided called "Checking comprehension" and 	<ul style="list-style-type: none"> Preclass Quiz on Reading DI-Teacher will Go over Notes from reading last night and answer students questions they posed GP-Students will watch United Streaming Video Physical Science Series: Phases of Matter "Gases" DI-Teacher will describe the Properties of Gases using bulkpack notes and pp slides DI-Teacher will describe Pressure (Units, converting) GP-Students will convert pressure units after teacher describes how to IP-Students will complete conversion of pressure units Assign HW
Assessment & Exit Strategies	<ul style="list-style-type: none"> Lab Report Due tomorrow. Today +10 pts) Exit Question: What is useful information from a phase diagram given that it indicates the Temperature, Pressure, and Phase. 	<ul style="list-style-type: none"> Lab Reports due by 4pm. Phase Change diagram turned in Practice problems monitored. 	<ul style="list-style-type: none"> Test 	<ul style="list-style-type: none"> Preclass question Worksheets." 	<ul style="list-style-type: none"> Convert 657 mmHg to in Hg and Convert 0.89 atm to torr.
Homework	<ul style="list-style-type: none"> "Phase Diagram" worksheet 	<ul style="list-style-type: none"> Lab Reports (Late) Finish Review Sheet 	<ul style="list-style-type: none"> Read Characteristics of Gases and Basic Gas Law Variables-ask two questions useful for class about the reading 	<ul style="list-style-type: none"> Finish worksheets if not completed. "More or Less" and "Crooked Puzzle" 	<ul style="list-style-type: none"> "Pressure" Conversion Problems"
Mods	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">
Notes/ Materials	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Introduce Units
	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">