

PATRICIA KENDALL		CHEMISTRY		GPS UNIT: MATTER		
SC1 Students will analyze the nature of matter and its classifications. a. Relate the role of nuclear fusion in producing essentially all elements heavier than helium. b. Identify substances based on chemical and physical properties. SC6. Students will understand the effects motion of atoms and molecules in chemical and physical processes. a. Compare and contrast atomic/molecular motion in solids, liquids, gases, and plasmas.						
Essential Questions: Vocabulary: chemical property, extensive property, gas, intensive property, liquid, physical property, solid, states of matter, vapor, chemical change, law of conservation		How is matter classified? What is the difference between a mixture and a pure substance?	What is the basic structure of the periodic table? How is matter classified?	How do you classify a change as physical or chemical?	How can the components of ink be separated?	How is matter classified? What are the changes that matter undergoes?
of mass, phase change, physical change, chromatography, crystallization, distillation, filtration, mixture, solution, sublimation, compound, element, percent by mass, periodic table		Week of: 9/13 - 9/17 Monday 13-Sep	Tuesday 14-Sep	Wednesday 15-Sep	Thursday 16-Sep	Friday 17-Sep
Activating Strategy		Ask students to classify several changes as physical changes or chemical changes to review material learned last week.	Have several samples of matter and ask students to classify them as an element, compound, solution, or heterogeneous mixture.	Review lab safety rules that are to be followed when using the bunsen burner in lab.	1. Students will complete a short lab to see how chromatography can be used to separate the components of ink.	Review for test today.
Teaching Strategies/ Distributed Practice		1. Nuts & Bolts of matter activity where students will classify several baggies of nuts & bolts as an element, compound, or mixture. 2. Students will take notes on how matter is classified and fill in a graphic organizer.	1. Students will copy notes on the basic structure of the periodic table and different regions on the periodic table. 2. Review for vocab quiz tomorrow.	1. Students will take a quiz over the vocab words for the matter unit. 2. In lab today, students will complete several changes and then determine which were physical changes and which were chemical changes.	2. Students will also play a short game to review for the test tomorrow over matter. (early release day)	TEST TODAY
Assessment Prompts/ Summarizing Strategies		1. Complete "The nuts & bolts of matter" activity worksheet. 2. Fill in graphic organizer about how matter is classified.	Students will compare their answers with their classmates and see if they agree or not.	Students will also provide what evidence they used from the lab to classify the changes and physical	Students will have any left over time to work on the take home quiz that is due tomorrow.	
Assignment		Work on assignment menu.	Work on assignment menu and study for vocab quiz tomorrow.	Work on assignment menu.	Work on assignment menu and study for test tomorrow.	Define chapter 4 vocabulary.