

Layered Curriculum

ATOMS, ELEMENTS, COMPOUNDS, MIXTURES & THE PTE

C Level Assignments – You must do at least 20 points

TASK CHOICES	Possible	Earned
1. Define atom, element, compound and mixture.	5	
2. Illustrate how a homogeneous mixture looks compared to a heterogeneous mixture and briefly explain how they're different.	10	
3. Illustrate and label the parts of an atomic model, being sure to label the charges of each part, as well.	5	
4. Define period, group, reactivity, luster, malleable.	5	

B Level Assignments– You must complete at least 40 points in this section.

TASK CHOICES	Possible	Earned
1. Explain at least 4 trends/patterns that occur as you change locations on the periodic table. Describe each trend.	10	
2. Make a foldable that identifies metals, non-metals, and metalloids. Give specific characteristics of each and provide examples and pictures of each.	10	
3. Create a Venn diagram that compares and contrasts compound and mixture, making sure to detail characteristics of each, and describing methods of separation.	10	
4. Explain why the following statements are true: 1) All matter is made up of atoms. 2) An electron with a proton equals a neutral charge 3) All atoms are in constant motion	15	
5. Create an illustration that compares/contrasts the molecular arrangement (the spacing of the atoms) of a solid, a liquid and a gas. Provide a description and example under each illustration.	5	

A Level Assignments

You must complete at least 40 points in this section.

TASK CHOICES	Possible	Earned
1. Create 5 multiple choice test questions related to this topic. You must explain the answer to each question and explain why every other answer choice is wrong.	25	
2. Make an original diagram, or graphic organizer showing how the concepts we have studied about matter (<i>atoms & elements, molecules and compounds, mixtures, and the periodic table</i>) are connected. Must have color and must be creative.	15	
3. Explain the relationships among the concepts we have studied about matter (<i>atoms & elements, molecules and compounds, mixtures, and the periodic table</i>). YOU must write at least 6 sentences.	25	

You may do more than 100 pts, but you must meet the minimum requirements in each section. When finished, staple this to the FRONT of your work products. Total Points _____/100

