

### LEARNING REFLECTION SHEET

CHAPTER 3 OBJECTIVES	Have you learned this concept or skill (Scale of 1-10)?	What Evidence Do You Have that You Learned It? (List at least 2, or more, particular notes, assignments, labs, or quizzes you completed that demonstrate your skill or knowledge)	What scores did you receive on the assignments, labs or quizzes you listed?	Is this a concept or skill you anticipate needing additional practice with before the test? How do you know?
<b>SECTION 3-1</b>				
Explain the law of conservation of mass, the law of definite proportions, and the law of multiple proportions				
Summarize the five essential points of Dalton's atomic theory				
<u>Explain the relationship between Dalton's atomic theory and the laws of conservation of mass, definite proportions, and multiple proportions</u> VOCAB: law of conservation of mass, law of definite proportions, law of multiple proportions				
<b>SECTION 3-2</b>				
Summarize the observed properties of cathode rays that led to the discovery of the electron (JJ Thomson and Millikan)				
Summarize the experiment carried out by Rutherford and his co-workers that led to discovery of the nucleus				

CHAPTER 3 OBJECTIVES	Have you learned this concept or skill (Scale of 1-10)?	What Evidence Do You Have that You Learned It? (List at least 2, or more, particular notes, assignments, labs, or quizzes you completed that demonstrate your skill or knowledge)	What scores did you receive on the assignments, labs or quizzes you listed?	Is this a concept or skill you anticipate needing additional practice with before the test? How do you know?
List the properties of protons, neutrons, and electrons				
Define "atom" VOCAB: atom, nucleus, proton, neutron, electron, nuclear forces				
<b>SECTION 3-3</b>				
Explain what isotopes are				
Define atomic number and mass number and describe how they apply to isotopes				
Be able to calculate the average atomic mass of an element given information about its isotopes				
Given the identity of a nuclide, determine its number of protons, neutrons, and electrons				

<b>CHAPTER 3 OBJECTIVES</b>	<b>Have you learned this concept or skill (Scale of 1-10)?</b>	<b>What Evidence Do You Have that You Learned It? (List at least 2, or more, particular notes, assignments, labs, or quizzes you completed that demonstrate your skill or knowledge)</b>	<b>What scores did you receive on the assignments, labs or quizzes you listed?</b>	<b>Is this a concept or skill you anticipate needing additional practice with before the test? How do you know?</b>
<b>Define mole in terms of Avogadro's number and define molar mass</b>				
<b>Solve problems involving mass in grams, amount in moles, and number of atoms of an element</b>				
VOCAB: atomic number (Z), mass number, isotopes, nuclide, atomic mass unit, average atomic mass, mole, Avogadro's number, molar mass				