

TEST 3 STUDY GUIDE

<i>Topic</i>	<i>Text Reference</i>
<u>CHAPTER 7</u>	
<ul style="list-style-type: none"> • Identify the evidences for chemical reactions • Know all information contained in a balanced chemical equation • Balance chemical equations by step-wise method • Characterize the nature of particles in solution • Determine the solubility of salts based on the solubility rules • Complete the equation for a precipitation reaction and identify the precipitate • Predict whether a precipitation reaction will occur or not based on solubility rules • Write complete ionic and net ionic equations for precipitation reactions • Classify and complete acid-base neutralization reactions • Classify and complete unstable product or gas evolving reactions • Classify chemical reactions as one of 5 types 	7.2 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 7.8
<u>CHAPTER 8</u>	
<ul style="list-style-type: none"> • Determine the mole ratios of reactants and products in a balanced chemical equation • Calculate the moles of a substance from moles of another in a chemical reaction (mole-mole calculations) • Calculate the mass of a substance from moles of another in a chemical reaction (mass-mole calculations) • Calculate the mass of a substance from mass of another in a chemical reaction (mass-mass calculations) • Determine limiting reactants from given masses of reactants in a chemical reaction • Calculate the theoretical and percent yield in a chemical reaction • Classify reactions as exothermic or endothermic based on enthalpy given • Calculate heat involved in a reaction based on stoichiometric calculation 	8.2 8.3 8.4 8.4 8.5 8.6 8.7 8.7