

Name: _____

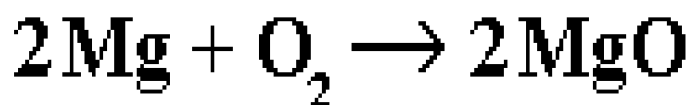
8S – U3 Study Guide – Chemical Reactions

***** THIS STUDY GUIDE IS WORTH 10% OF YOUR OVERALL TEST GRADE. IT IS NOT ALL INCLUSIVE OF WHAT WILL BE ON THE TEST. YOU MUST STUDY GUIDED NOTES, HOMEWORK, AND QUIZZES TO AS WELL *****

1. Name the four types of chemical reactions and provide the general chemical reaction using A, B, C, and D in the table below

Reaction Type	Generic Chemical Reaction

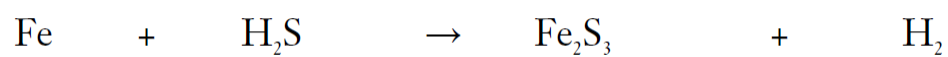
2. Label the diagram below with the following words: Reactant, Product, Subscript, Coefficient



3. Synthesis Reaction: Carbon and hydrogen react together to form methane. Draw the stable Lewis dot structures of the reactants and products below and balance the equation as necessary.

4. Decomposition Reaction: Hydrochloric acid breaks down into hydrogen and chlorine. Draw the stable Lewis dot structures of the reactants and products below and balance the equation as necessary.

5. Single Replacement Reaction: Balance the following reaction



6. Double Replacement Reaction: Balance the following reaction

