

Unit 7 Types of Chemical Reactions
Lab Data Sheet

Names: _____
Block #: _____

#	Reactants	Reactant Properties	Products	Product Properties
1	Magnesium & Oxygen			
2	Water			
3	Calcium & Water			
4	Iron II Sulfate & Sodium Hydroxide			
5	Hydrochloric Acid & Sodium Hydroxide			
6	Isopropanol & Oxygen			

Unit 7 Types of Chemical Reactions
Lab Results Sheet – Honors Chemistry

Names: _____
Block #: _____

Fill-in-the blank with the product(s) of each reaction. Then write each chemical equation using the chemical formulas and indicate the type of reaction.

Lab#	Chemical Equation	Type of Reaction
1	Solid magnesium metal reacts with oxygen gas to form _____ powder.	
2	Liquid water decomposes to form _____ gas and _____ gas.	
3	Solid calcium metal reacts with liquid water to form solid _____ and _____ gas.	
4	Aqueous iron II sulfate reacts with aqueous sodium hydroxide to form solid _____ and aqueous _____.	
5	Aqueous hydrochloric acid reacts with aqueous sodium hydroxide to form aqueous _____ and liquid _____.	
6	Liquid isopropanol burns in the presence of oxygen gas to form _____ and _____.	

Unit 7 Types of Chemical Reactions
Pre-Lab Questions

Name: _____
Block #: _____

In your own words, explain each type of reaction. For instance, how many reactants and products will each type have? Does the reaction require a specific type of reactant or product?

Synthesis

Decomposition

Single Replacement

Double Replacement

Neutralization

Combustion
