

Unit 9 Types of Chemical Reactions
Lab Data Sheet – Honors Chemistry

Names: _____
Block #: _____

Perform each reaction, identify the products, and record the physical and chemical properties observed for each reactant and product.

#	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 9 Types of Chemical Reactions
Lab Results Sheet – CP 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 solid _____ powder. _____ Mg () + _____ O ₂ () → _____ MgO ()	
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 yield _____ gas and _____ gas.	