

Alternative Lab Worksheet
Types of Reactions Lab

Name _____
Block _____

For each chemical reaction below, convert the names into formulas, indicate the state of matter for each substance, balance each equation, and indicate the type of reaction.

Reaction #	Balanced Chemical Reaction	Type of Reaction
1	Solid barium metal reacts with liquid water to form solid barium hydroxide and hydrogen gas.	
2	Solid sodium metal reacts with chlorine gas to form solid sodium chloride.	
3	Aqueous hydrochloric acid reacts with potassium hydroxide to form aqueous potassium chloride and liquid water.	

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Reaction #	Balanced Chemical Reaction	Type of Reaction
4	Aqueous lead II nitrate reacts with aqueous sodium iodide to form solid lead II iodide and aqueous sodium nitrate.	
5	Solid mercury oxide is heated until it decomposes into liquid mercury and oxygen gas.	
6	Liquid pentane burns in the presence of oxygen gas to produce carbon dioxide gas and water vapor.	