emistry 1		Name Period Date	
Ž		Period	Date
_	p://www.gpb.org/ch Reactions and Pre	emistry-physics/chemi edicting Products	stry/605
	<u>De</u>	scriptive Abbreviations	<u>S</u>
	()		
	()		
	()		
	()		
		ng State at Room Temp	
		with these exce	eptions:
o Lig	uid		
1			
	ids		
o Sol			
o Sol			, and
SolAll	, are	e solids.	

Mercury and oxygen gas.

Classifying Reactions

	or	substances combine to f	form a m
	substance.		
Fe (s)	>		
$H_2O(l) +$	→		
Decomposition			
A	substance is		into
	or more	substances.	
AB →			
$2H_2O(l) \rightarrow $	+		
		+	
A free	·		
	+		
A + BY→	_	1	
$A + BY \rightarrow \underline{\hspace{1cm}}$ $Zn(s) + \underline{\hspace{1cm}}$		+	
$A + BY \rightarrow \underline{\qquad}$ $Zn(s) + \underline{\qquad}$ $2Al(s) + \underline{\qquad}$	>	+	
$A + BY \rightarrow \underline{\qquad}$ $Zn(s) + \underline{\qquad}$ $2Al(s) + \underline{\qquad}$		+	
$A + BY \rightarrow \underline{\hspace{1cm}}$ $2n(s) + \underline{\hspace{1cm}}$ $2Al(s) + \underline{\hspace{1cm}}$ $Cu(s) + MgCl_2(s)$	→	+	
 A + BY→ Zn(s) + 2Al(s) + Cu(s) + MgCl₂(stivity series: an 	→	ents in the order of their	

Decreasing Activity

Lithium Potassium Barium Calcium Sodium Magnesium Aluminum Manganese Zinc Chromium Iron Cadmium Nickel Tin Lead (Hydrogen) Copper Mercury Silver Gold

• The	of reacting		6
other.			
 Normally takes p 	lace in an		
Also called	reactio	ns	
• $AX + BY \rightarrow \underline{\hspace{1cm}}$		+	
• 2KI(<i>aq</i>) +	>	+	
 Precipitate 	:		
o An			
o May be		in an equation by	or
• NaCl(aq) +	→	+	
Combustion			
	of a sul	bstance with	
• Involves the	of a sul		
Involves theOften called			
Involves theOften calledThe			
Involves theOften calledThe	and _	of a	
 Involves the Often called The C_xH_y + O₂ → 	and _	of a	
 Often called The C_xH_y + O₂ → C₃H₈(g) + 5O₂(g) 	and _ +) →	of a	produces
 Involves the Often called The C_xH_y + O₂ → C₃H₈(g) + 5O₂(g) 	and	of a +	produces
 Involves the Often called The C_xH_y + O₂ → C₃H₈(g) + 5O₂(g) 	and	of a + + + Chemistry Quiz	produces

4. Double Exchange (Double Replacement)