Predicting Chemical Reactions

Activity Series is an:

	O Metals on the list:	0 Noni	O Nonmetals on the list:	
Synthe				
0	Consider the	en a metal reacts with oxygen it produces an oxide. to determine name of compound.		
0	When a metal reacts with oxygen it produces an oxide. When a metal reacts with sulfur it produces a sulfide.			
0	when a metal reacts with sulfur	it produces a sumde.		
0	Metals react with	to produce a		
0	Nonmetals react with	Tonmetals react with to produce		
Decom	position			
0				
0	Oxides of the, decompose into their elements when heated.			
0	breaks down into a metal oxide and carbon dioxide.			
0	decompose into metal oxide and water.			
0	After being heated, decompose into metal chloride and oxygen.			
0	decompose into metal oxides and water.			
Single-	Displacement			
0	Reaction will take place if	of single metal is	than that within the compound.	
0	Higher active metals react with in liquid state to form hydroxides and			
0	require energy input for water to be steam in order to produce a metal oxide and hydrogen gas.			
0	Higher active metals react with certain acidic solutions, producing			
0	Higher active	may displace a lower active halogen.		
Double	e-Displacement			
0		with the anions of another reactant, forms a	,	
0	, or			
0	Given the	, write the name of the products by switching	g the	
RX	KN WILL OCCUR:			
0	If something is	→ it will form a	during the reaction	
0	If a liquid/ gas has formed		during the reaction	
0	If something is	→ it will form an luble (aq) reactants): NO RXN	product	
5 tl	hings that may seem soluble, if an Hydrogen Carbonate → breaks i	y of these are a product, there will be a rxn into water and Carbon Dioxide		
0	Hydrogen Sulfite → breaks into	water and Sulfur Dioxide		

Ammonium Nitrate → breaks into water and Ammonia