Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 4G – Writing Combination Reactions w/Polyatomic Ions 20 Points

For the following reactions, write the products of each reaction following the template provided. Show work for ionic compound

Reaction	$Cr^{3+} + CO_3^{2-} \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Reaction	$Sr + BrO_3^{1-} \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$Co^{3+} + OH^{1-} \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Reaction	$Zr^{1+} + SO_4^{2-} \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$Pt^{1+} + CrO_4^{2-}$ → _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$Mo^{3+} + NO_3^{1-}$ → _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$Sn^{4+} + PO_4^{3-}$ → _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$Y^{3+} + P$ → _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		