

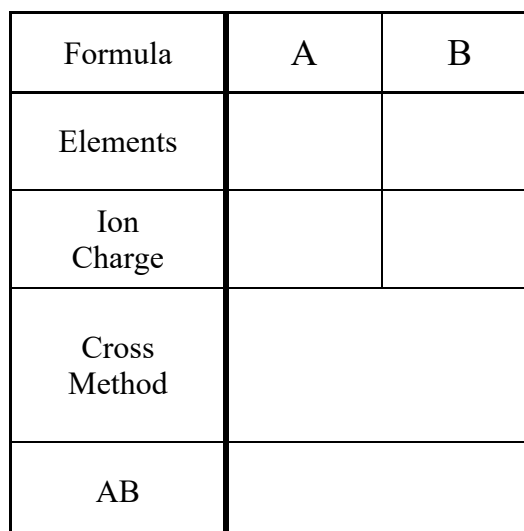
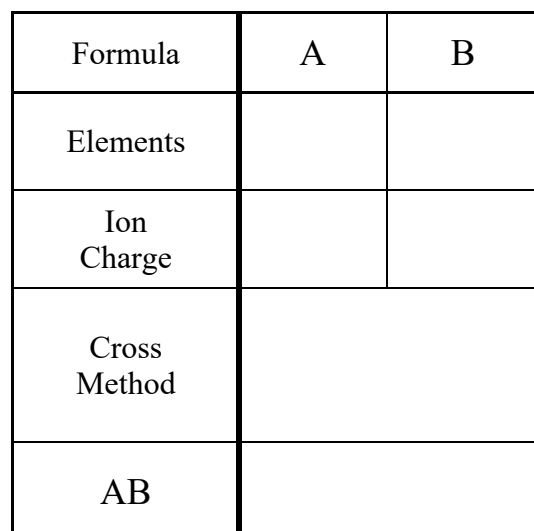
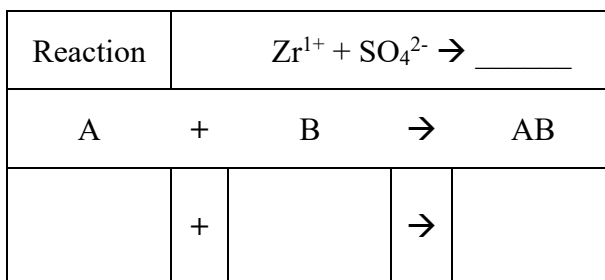
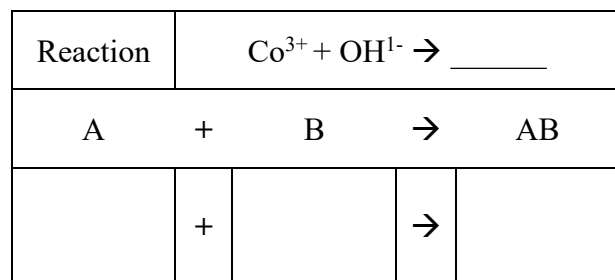
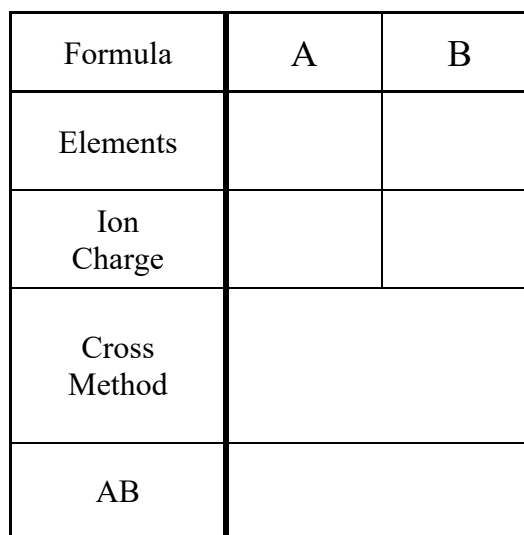
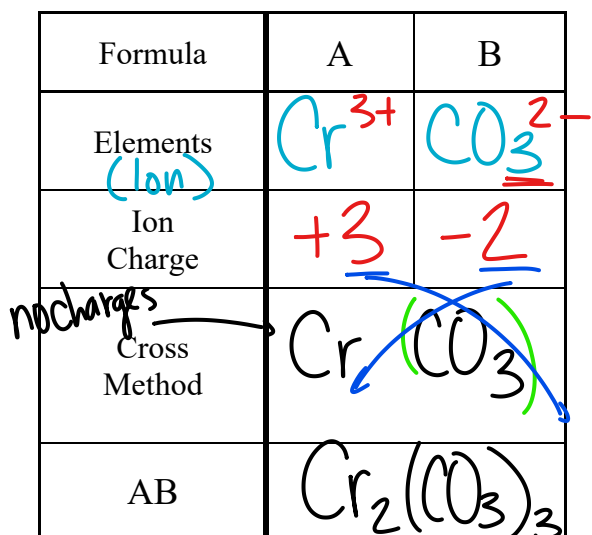
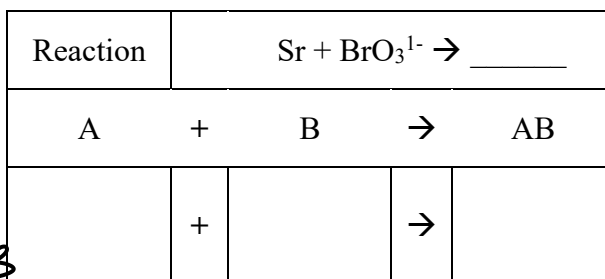
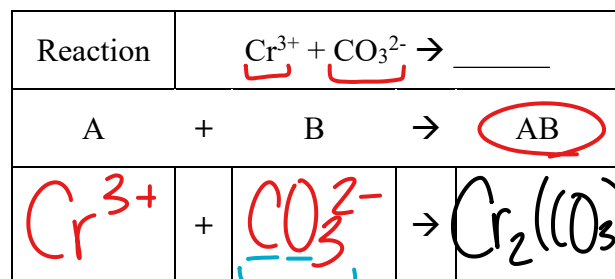
Name _____ Period _____

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	$\text{Pt}^{1+} + \text{CrO}_4^{2-} \rightarrow \underline{\hspace{2cm}}$			
A	+	B	$\rightarrow$ AB	
Pt^{1+}	+	CrO_4^{2-}	$\rightarrow$	Pt_2CrO_4

Reaction	$\text{Mo}^{3+} + \text{NO}_3^{1-} \rightarrow \underline{\hspace{2cm}}$			
A	+	B	$\rightarrow$ AB	
	+		$\rightarrow$	

Formula	A	B
Elements (Ion)	Pt^{1+}	CrO_4^{2-}
Ion Charge	+1	-2
Cross Method	$\text{Pt}(\text{CrO}_4)$	
AB	$\text{Pt}_2(\text{CrO}_4)$	

ions don't change!

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$\text{Sn}^{4+} + \text{PO}_4^{3-} \rightarrow \underline{\hspace{2cm}}$			
A	+	B	$\rightarrow$ AB	
	+		$\rightarrow$	

Reaction	$\text{Y}^{3+} + \text{P} \rightarrow \underline{\hspace{2cm}}$			
A	+	B	$\rightarrow$ AB	
	+		$\rightarrow$	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		