

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 4F – Writing Combination Reactions

20 Points

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

Reaction	$\text{Na} + \text{O}_2 \rightarrow \underline{\hspace{2cm}}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

Reaction	$\text{Al} + \text{F}_2 \rightarrow \underline{\hspace{2cm}}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

Formula	A	B
Ion Charge		
Cross Method		
AB		

Formula	A	B
Ion Charge		
Cross Method		
AB		

Reaction	$\text{Cr}^{3+} + \text{N}_2 \rightarrow \underline{\hspace{2cm}}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

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

Formula	A	B
Ion Charge		
Cross Method		
AB		

Formula	A	B
Ion Charge		
Cross Method		
AB		

Reaction	$Ti^{4+} + I_2 \rightarrow \underline{\hspace{2cm}}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

Reaction	$W^{6+} + O_2 \rightarrow \underline{\hspace{2cm}}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

Formula	A	B
Ion Charge		
Cross Method		
AB		

Formula	A	B
Ion Charge		
Cross Method		
AB		

Reaction	$V^{3+} + S \rightarrow \underline{\hspace{2cm}}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

Reaction	$Pb^{4+} + N_2 \rightarrow \underline{\hspace{2cm}}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

Formula	A	B
Ion Charge		
Cross Method		
AB		

Formula	A	B
Ion Charge		
Cross Method		
AB		