

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 4H – Writing Decomposition Reactions *(With Combo Review)*

20 Points

For the following reactions, write the products of each reaction following the template provided.

Show work for ionic compound

Reaction	$\text{HBr} \rightarrow \text{_____} + \text{_____}$			
AB	\rightarrow	A	+	B
	\rightarrow		+	

Reaction	$\text{Na}_2\text{O} \rightarrow \text{_____} + \text{_____}$ Na = +1			
AB	\rightarrow	A	+	B
	\rightarrow		+	

Reaction	$\text{H}_3\text{P} \rightarrow \text{_____} + \text{_____}$			
AB	\rightarrow	A	+	B
	\rightarrow		+	

Reaction	$\text{Zn}_3\text{N} \rightarrow \text{_____} + \text{_____}$ Zn = +1			
AB	\rightarrow	A	+	B
	\rightarrow		+	

Reaction	$\text{H}_2\text{S} \rightarrow \text{_____} + \text{_____}$			
AB	\rightarrow	A	+	B
	\rightarrow		+	

Reaction	$\text{WS}_3 \rightarrow \text{_____} + \text{_____}$ W = +6			
AB	\rightarrow	A	+	B
	\rightarrow		+	

Reaction	$\text{Ca} + \text{Br}_2 \rightarrow \text{_____}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

Reaction	$\text{Cu}^{3+} + \text{O}_2 \rightarrow \text{_____}$			
A	+	B	\rightarrow	AB
	+		\rightarrow	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		