

Name _____ Period _____

CP Chemistry of the Earth

Assignment 4O – Combination/Decomp/Single Replacement Reaction Review 20 Points

Complete the following combination chemical reactions, including showing the cross method for formulas. No Work = No Credit!

Reaction	$\text{Cu} + \text{Br}_2 \rightarrow [\text{Cu} = +3]$				
General Form	A	+	B	\rightarrow	AB
Reaction		+		\rightarrow	

Top Problem

Bottom Problem

A	B	AB		A	B	AB
Element Poly Ion	Element Poly Ion	Cross Method		Element Poly Ion	Element Poly Ion	Cross Method
Charge	Charge			Charge	Charge	

Reaction	$\text{Pb} + \text{N}_2 \rightarrow [\text{Pb} = +4]$				
General Form	A	+	B	\rightarrow	AB
Reaction		+		\rightarrow	

Complete the following decomposition chemical reaction. Remember diatomic elements

Reaction	$\text{H}_3\text{N} \rightarrow$				
General Form	AB	\rightarrow	A	+	B
Reaction		+		\rightarrow	

Complete the following single replacement chemical reactions, including showing the cross method and all work. No Work = No Credit!

Reaction	$\text{Mg} + \text{SnS}_2 \rightarrow$						
General Form	A	+	BC	\rightarrow	AC	+	B
Reaction		+		\rightarrow		+	

A	C	AC
Element Poly Ion	Element Poly Ion	Cross Method
Charge	Charge	

Reaction	$\text{V} + \text{CaCO}_3 \rightarrow \quad [\text{V} = +3]$						
General Form	A	+	BC	\rightarrow	AC	+	B
Reaction		+		\rightarrow		+	

A	C	AC
Element Poly Ion	Element Poly Ion	Cross Method
Charge	Charge	