

Name _____ Period _____

College Prep Chemistry of the Earth

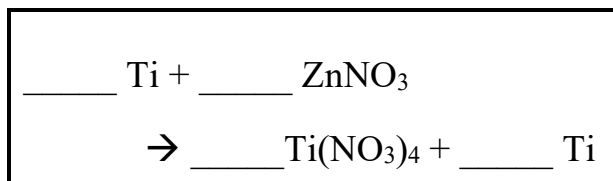
Assignment 5Y – Balancing Equations (*Part 3*)

Balancing Ratios

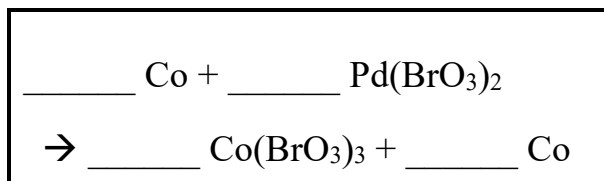
30 Points

Atom Ratio	1:1	2:2	1:2	1:3	2:4	2:3	4:3	2:6	3:6
Coefficients	1-1	1-1	2-1	3-1	2-1	3-2	3-4	3-1	2-1

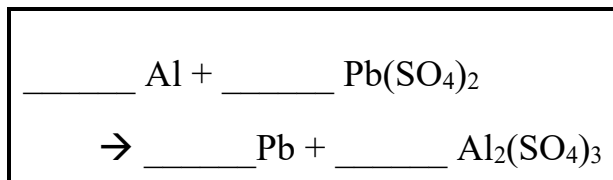
Atom Ratio	3:3	4:4	2:1	3:1	4:2	3:2	3:4	6:2	6:3
Coefficients	1-1	1-1	1-2	1-3	1-2	2-3	4-3	1-3	3-1



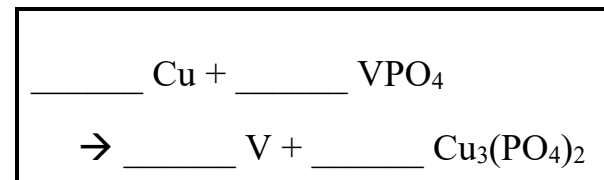
Reactants		Products	
Ti		Ti	
Zn		Zn	
NO ₃		NO ₃	



Reactants		Products	
Co		Co	
Pd		Pd	
BrO ₃		BrO ₃	



Reactants		Products	
Al		Al	
Pb		Pb	
SO ₄		SO ₄	



Reactants		Products	
Cu		Cu	
V		V	
PO ₄		PO ₄	

_____ K_2CO_3 + _____ AlBr_3			
$\rightarrow$ _____ KBr + _____ $\text{Al}_2(\text{CO}_3)_3$			
Reactants		Products	
K		K	
CO_3		CO_3	
Al		Al	
Br		Br	

_____ HNO_3 + _____ $\text{Cr}(\text{OH})_2$			
$\rightarrow$ _____ HOH + _____ $\text{Cr}(\text{NO}_3)_2$			
Reactants		Products	
H		H	
NO_3		NO_3	
Cr		Cr	
OH		OH	

_____ FeO + _____ $\text{V}(\text{ClO}_3)_3$			
$\rightarrow$ _____ $\text{Fe}(\text{ClO}_3)_2$ + _____ V_2O_3			
Reactants		Products	
Fe		Fe	
O		O	
V		V	
ClO_3		ClO_3	

_____ H_2SO_4 + _____ $\text{Fe}(\text{OH})_3$			
$\rightarrow$ _____ HOH + _____ $\text{Fe}_2(\text{SO}_4)_3$			
Reactants		Products	
H		H	
SO_4		SO_4	
Fe		Fe	
OH		OH	