

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 5W – Balancing Equations (*Part I*)

20 Points

Balancing Ratios

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

Balancing Chemical Reactions

_____ K + _____ Cl ₂ → _____ KCl			
Reactants		Products	
K		K	
Cl		Cl	

_____ Cr + _____ F ₂ → _____ CrF ₃			
Reactants		Products	
Cr		Cr	
F		F	

_____ Ag + _____ O ₂ → _____ Ag ₂ O			
Reactants		Products	
Ag		Ag	
O		O	

_____ Pb + _____ N ₂ → _____ Pb ₃ N ₄			
Reactants		Products	
Pb		Pb	
N		N	

_____ HBr → _____ H ₂ + _____ Br ₂			
Reactants		Products	
H		H	
Br		Br	

_____ NCl ₃ → _____ N ₂ + _____ Cl ₂			
Reactants		Products	
N		N	
Cl		Cl	