

College Prep Chemistry of the Earth

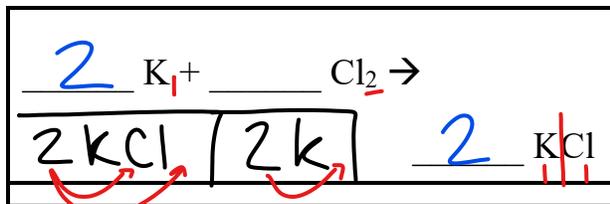
Assignment 40 – Balancing Equations (Part I)

20 Points

Balance the following chemical reactions, showing complete balancing chart.

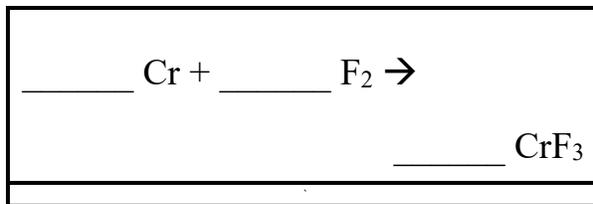
Atom Ratio	1:1	2:2	1:2	1:3	2:4	2:3	4:3	2:6	3:6
Coefficients	1-1	1-1	2-1	3-1	2-1	3-2	3-4	3-1	2-1

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

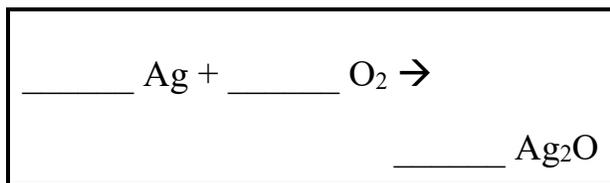


Reactants		Products	
K	2	K	2
Cl	2	Cl	2

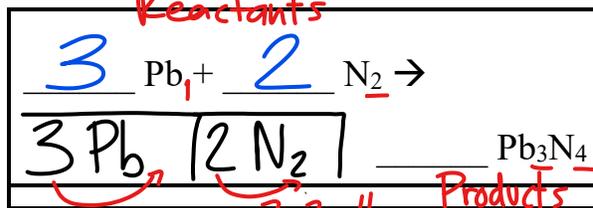
② 1:2 Ratio 2-1
 ① 2:1 Ratio 1-2



Reactants		Products	
Cr		Cr	
F		F	



Reactants		Products	
Ag		Ag	
O		O	

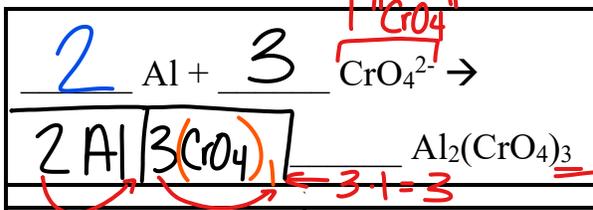


Reactants		Products	
Pb	3	Pb	3
N	4	N	4

① 1:3 Ratio 3-1
 ② 2:4 Ratio 2-1

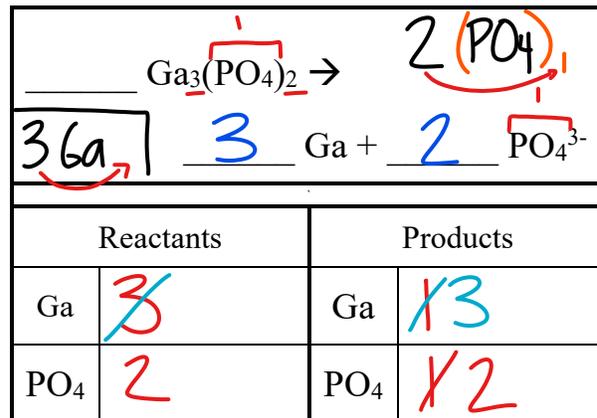
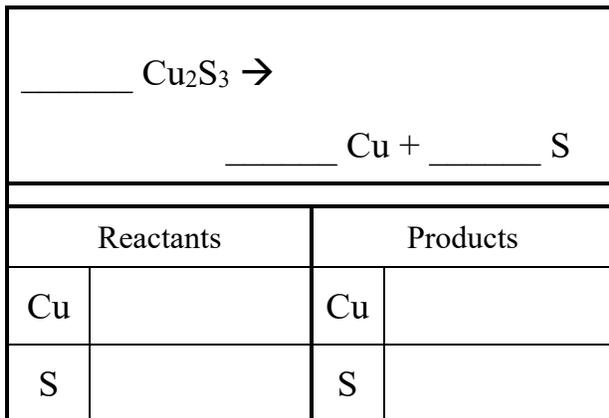
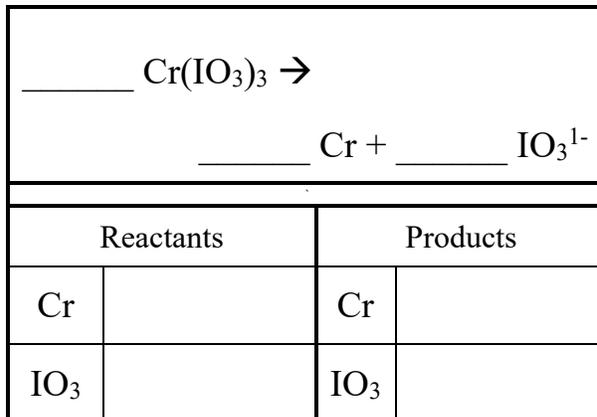
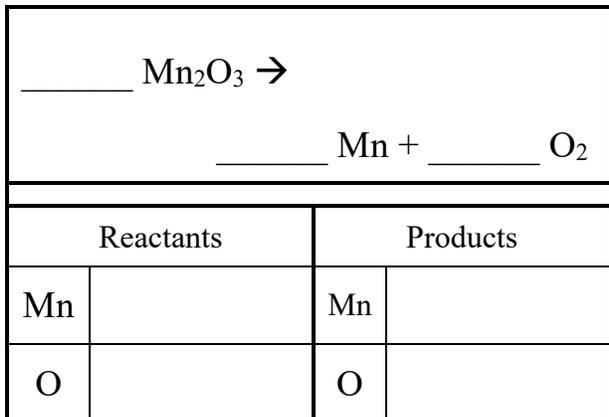
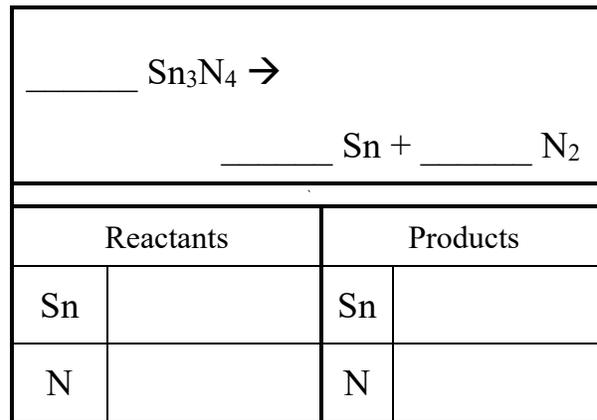
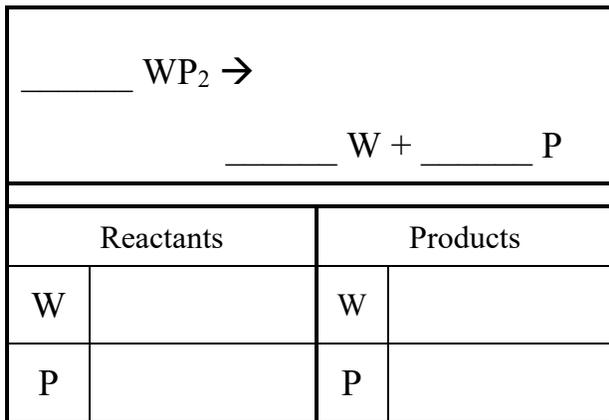


Reactants		Products	
Nb		Nb	
ClO ₃		ClO ₃	



Reactants		Products	
Al	2	Al	2
CrO ₄	3	CrO ₄	3

① 1:2 Ratio 2-1
 ② 1:3 Ratio 3-1



① 3:1
 Ga 1-3
 ② 2:1
 PO₄ 1-2