College Prep Chemistry of the Earth System

Assignment 5G 50 Pts Total

Chemical Equation Balancing Review

For the following chemical equations balance the equation. Show balancing chart.

1. ___ Ni + ___ Br_2 → ___ $NiBr_3$
2. ___ Pb + ___ N_2 → ___ Pb_3N_4
3. ___ H_3P → ___ H_2 + ___ P
4. ___ SO_3 → ___ S + ___ O_2
5. ___ Ca + ___ $AlCl_3$ →
   ___ Al + ___ $CaCl_2$
6. ___ Pb + ___ Ag_2SO_4 →
   ___Ag + ___ $Pb(SO_4)_2$
7. ___ Mg + ___ $Co(OH)_3$ →
   ___ Co + ___ $Mg(OH)_2$
8. ___ VBr_3 + ___ $TiCl_4$ →
   ___ VCl_3 + ___ $TiBr_4$
9. ___ PdN + ___ NiF_2 →
   ___ PdF_3 + ___ Ni_3N_2
10. ___ $Sr(NO_3)_2$ + ___ Zr_2O →
    ___ SrO + ___ $ZrNO_3$
11. ___ $Y_2(CO_3)_3$ + ___ CaS →
    ___ Y_2S_3 + ___ $CaCO_3$
12. ___ $Ti(CrO_4)_2$ + ___ $Cd(NO_3)_2$ →
    ___ $Ti(NO_3)_4$ + ___ $CdCrO_4$
13. ___ $MnPO_4$ + ___ $CuSO_4$ →
    ___ $Mn_2(SO_4)_3$ + ___ $Cu_3(PO_4)_2$
14. ___ $HClO_3$ + ___ $Cu(OH)_3$ →
    ___ $Cu(ClO_3)_3$ + ___ HOH
15. ___ H_2SO_4 + ___ $Sn(OH)_4$ →
    ___ $Sn(SO_4)_2$ + ___ HOH