Chemical Reactions

Set 13

1. $KC\ell(s) \rightarrow K^+(aq) + C\ell^-(aq)$
2. $Ba(NO_3)_2(s) \rightarrow Ba^{2+}(aq) + 2NO_3^-(aq)$
3. $NaOH(s) \rightarrow Na^+(aq) + OH^-(aq)$
4. $H^+(aq) + OH^-(aq) \rightarrow H_2O(\ell)$
5. $ZnO(s) + 2H^+(aq) \rightarrow Zn^{2+}(aq) + H_2O(\ell)$
6. $CaCO_3(s) + 2H^+(aq) \rightarrow Ca^{2+}(aq) + CO_2(g) + H_2O(\ell)$
7. no reaction
8. $Ag^+(aq) + C\ell^-(aq) \rightarrow AgC\ell(s)$
9. $CO_2(g) + Ca^{2+}(aq) + 2OH^-(aq) \rightarrow CaCO_3(s) + H_2O(\ell)$
10. $2H_3PO_4(aq) + 3Ag_2CO_3(s) \rightarrow 2Ag_3PO_4(s) + 3CO_2(g) + 3H_2O(\ell)$
11. $H_2S(g) + 2Ag+(aq) \rightarrow Ag_2S(s) + 2H+(aq)$
12. $H^+(aq) + CO_3^{2-}(aq) \rightarrow H_2O(\ell) + CO_2(g)$
13. $Pb^{2+}(aq) + 2I^-(aq) \rightarrow PbI_2(s)$
14. $A\ell(OH)_3(s) + OH-(aq) \rightarrow [A\ell(OH)_4]^-(aq)$