Write a balanced equation for each of the following ligand substitution reactions.

1 Addition of ammonia (aq) to a solution containing $[Co(H_2O)_6]^{2+}$

$[Co(H_2O)_6]^{2+} + 6NH_3 \rightarrow [Co(NH_3)_6]^{2+} + 6H_2O$

2 Addition of concentrated hydrochloric acid to a solution containing $[Fe(H_2O)_6]^{3+}$

$[Fe(H_2O)_6]^{3+} + 4Cl^- \rightarrow [FeCl_4]^- + 6H_2O$

3 Addition of 1,2-aminoethane to a solution containing $[Co(NH_3)_6]^{2+}$

$[Co(NH_3)_6]^{2+} + 3NH_2CH_2CH_2NH_2 \rightarrow [Co(NH_2CH_2CH_2NH_2)_3]^{2+} + 6NH_3$

4 Addition of sodium ethanedioate (aq) to a solution containing $[Cr(H_2O)_6]^{3+}$

$[Cr(H_2O)_6]^{3+} + 3C_2O_4^{2-} \rightarrow [Co(C_2O_4)_3]^{3-} + 6H_2O$

5 Addition of sodium EDTA (aq) to a solution containing $[Fe(H_2O)_6]^{2+}$

$[Fe(H_2O)_6]^{2+} + EDTA^{4-} \rightarrow [Fe(EDTA)]^{2-} + 6H_2O$

6 Addition of ammonia (aq) to a solution containing $[Cu(H_2O)_6]^{2+}$

$[Cu(H_2O)_6]^{2+} + 4NH_3 \rightarrow [Cu(H_2O)_2(NH_3)_4]^{2+} + 4H_2O$

7 Addition of sodium EDTA (aq) to a solution containing $[Cr(NH_2CH_2CH_2NH_2)_3]^{3+}$

$[Cr(NH_2CH_2CH_2NH_2)_3]^{3+} + EDTA^{4-} \rightarrow [Cr(EDTA)]^- + 3NH_2CH_2CH_2NH_2$

8 Addition of concentrated hydrofluoric acid to a solution containing $[Cu(H_2O)_6]^{2+}$

$[Cu(H_2O)_6]^{2+} + 6F^- \rightarrow [CuF_6]^{4-} + 6H_2O$