

Standard Potentials at 25 °C

| Half Reaction | Potential |
|--|----------------|
| $F_2(g) + 2e^- \rightleftharpoons 2F^-(aq)$ | +2.87 V |
| $O_3(g) + 2H^+(aq) + 2e^- \rightleftharpoons O_2(g) + H_2O(l)$ | +2.07 V |
| $S_2O_8^{2-}(aq) + 2e^- \rightleftharpoons 2SO_4^{2-}(aq)$ | +2.05 V |
| $H_2O_2(aq) + 2H^+(aq) + 2e^- \rightleftharpoons 2H_2O(l)$ | +1.78 V |
| $PbO_2(s) + 3H^+(aq) + HSO_4^-(aq) + 2e^- \rightleftharpoons PbSO_4(s) + 2H_2O(l)$ | +1.69 V |
| $Au^+(aq) + e^- \rightleftharpoons Au(s)$ | +1.69 V |
| $Pb^{4+}(aq) + 2e^- \rightleftharpoons Pb^{2+}(aq)$ | +1.67 V |
| $2HClO(aq) + 2H^+(aq) + 2e^- \rightleftharpoons Cl_2(g) + 2H_2O(l)$ | +1.63 V |
| $Ce^{4+}(aq) + e^- \rightleftharpoons Ce^{3+}(aq)$ | +1.61 V |
| $MnO_4^-(aq) + 8H^+(aq) + 5e^- \rightleftharpoons Mn^{2+}(aq) + 4H_2O(l)$ | +1.51 V |
| $Au^{3+}(aq) + 3e^- \rightleftharpoons Au(s)$ | +1.40 V |
| $Cl_2(g) + 2e^- \rightleftharpoons 2Cl^-(aq)$ | +1.36 V |
| $Cr_2O_7^{2-}(aq) + 14H^+(aq) + 6e^- \rightleftharpoons 2Cr^{3+}(aq) + 7H_2O(l)$ | +1.33 V |
| $O_2(g) + 4H^+(aq) + 4e^- \rightleftharpoons 2H_2O(l)$ | +1.23 V |
| $MnO_2(s) + 4H^+(aq) + 2e^- \rightleftharpoons Mn^{2+}(aq) + 2H_2O(l)$ | +1.21 V |
| $2IO_3^-(aq) + 12H^+(aq) + 10e^- \rightleftharpoons I_2(s) + 6H_2O(l)$ | +1.20 V |
| $Pt^{2+}(aq) + 2e^- \rightleftharpoons Pt(s)$ | +1.20 V |
| $Br_2(l) + 2e^- \rightleftharpoons 2Br^-(aq)$ | +1.09 V |
| $Pd^{2+}(aq) + 2e^- \rightleftharpoons Pd(s)$ | +0.915 V |
| $2Hg^{2+}(aq) + 2e^- \rightleftharpoons Hg_2^{2+}(aq)$ | +0.92 V |
| $ClO^-(aq) + H_2O(l) + 2e^- \rightleftharpoons Cl^-(aq) + 2OH^-(aq)$ | +0.89 V |
| $Ag^+(aq) + e^- \rightleftharpoons Ag(s)$ | +0.80 V |
| $Hg_2^{2+}(aq) + 2e^- \rightleftharpoons 2Hg(l)$ | +0.79 V |
| $Fe^{3+}(aq) + e^- \rightleftharpoons Fe^{2+}(aq)$ | +0.77 V |
| $I_2(aq) + 2e^- \rightleftharpoons 2I^-(aq)$ | +0.620 V |
| $MnO_4^-(aq) + 2H_2O(l) + 3e^- \rightleftharpoons MnO_2(s) + 4OH^-(aq)$ | +0.60 V |
| $I_2(s) + 2e^- \rightleftharpoons 2I^-(aq)$ | +0.54 V |
| $O_2(g) + 2H_2O(l) + 4e^- \rightleftharpoons 4OH^-(aq)$ | +0.40 V |
| $Cu^{2+}(aq) + 2e^- \rightleftharpoons Cu(s)$ | +0.34 V |
| $Hg_2Cl_2(s) + 2e^- \rightleftharpoons 2Hg(l) + 2Cl^-(aq)$ | +0.27 V |
| $AgCl(s) + e^- \rightleftharpoons Ag(s) + Cl^-(aq)$ | +0.22 V |
| $Bi^{3+}(aq) + 3e^- \rightleftharpoons Bi(s)$ | +0.20 V |
| $Sn^{4+}(aq) + 2e^- \rightleftharpoons Sn^{2+}(aq)$ | +0.15 V |
| $NO_3^-(aq) + H_2O(l) + 2e^- \rightleftharpoons NO_2^-(aq) + 2OH^-(aq)$ | +0.01 V |
| $2H^+(aq) + 2e^- \rightleftharpoons H_2$ | 0.000 V |
| $Fe^{3+}(aq) + 3e^- \rightleftharpoons Fe(s)$ | -0.04 V |
| $Pb^{2+}(aq) + 2e^- \rightleftharpoons Pb(s)$ | -0.13 V |
| $Sn^{2+}(aq) + 2e^- \rightleftharpoons Sn(s)$ | -0.14 V |
| $Ni^{2+}(aq) + 2e^- \rightleftharpoons Ni(s)$ | -0.23 V |
| $V^{3+}(aq) + e^- \rightleftharpoons V^{2+}(aq)$ | -0.26 V |
| $Co^{2+}(aq) + 2e^- \rightleftharpoons Co(s)$ | -0.28 V |
| $In^{3+}(aq) + 3e^- \rightleftharpoons In(s)$ | -0.34 V |
| $PbSO_4(s) + H^+(aq) + 2e^- \rightleftharpoons Pb(s) + HSO_4^-(aq)$ | -0.36 V |
| $Cd^{2+}(aq) + 2e^- \rightleftharpoons Cd(s)$ | -0.40 V |
| $Cr^{3+}(aq) + e^- \rightleftharpoons Cr^{2+}(aq)$ | -0.41 V |
| $Fe^{2+}(aq) + 2e^- \rightleftharpoons Fe(s)$ | -0.44 V |
| $U^{4+}(aq) + e^- \rightleftharpoons U^{3+}(aq)$ | -0.61 V |
| $FeCO_3(s) + 2e^- \rightleftharpoons Fe(s) + CO_3^{2-}(aq)$ | -0.756 V |
| $Zn^{2+}(aq) + 2e^- \rightleftharpoons Zn(s)$ | -0.76 V |
| $2H_2O(l) + 2e^- \rightleftharpoons H_2(s) + 2OH^-(aq)$ | -0.83 V |
| $Cr^{2+}(aq) + 2e^- \rightleftharpoons Cr(s)$ | -0.91 V |
| $Mn^{2+}(aq) + 2e^- \rightleftharpoons Mn(s)$ | -1.18 V |
| $V^{2+}(aq) + 2e^- \rightleftharpoons V(s)$ | -1.19 V |
| $ZnS(s) + 2e^- \rightleftharpoons Zn(s) + S^{2-}(aq)$ | -1.44 V |
| $Al^{3+}(aq) + 3e^- \rightleftharpoons Al(s)$ | -1.66 V |
| $Mg^{2+}(aq) + 2e^- \rightleftharpoons Mg(s)$ | -2.36 V |
| $Na^+(aq) + e^- \rightleftharpoons Na(s)$ | -2.71 V |
| $K^+(aq) + e^- \rightleftharpoons K(s)$ | -2.92 V |
| $Li^+(aq) + e^- \rightleftharpoons Li(s)$ | -3.05 V |