

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
$2Hg_2^{2+}(aq) + 2e^- \rightleftharpoons Hg_2^{2+}(aq)$	+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

Half Reaction	Potential
$2H^+(aq) + 2e^- \rightleftharpoons H_2$	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