

Potenziale di riduzione

Catodo	Potenziale di riduzione standard E0 (volt)
$3\text{N}_2 + 2\text{H}^+ + 2\text{e}^- \rightarrow 2\text{HN}_3$	-3.09
$\text{Li}^+(\text{aq}) + \text{e}^- \rightarrow \text{Li}(\text{s})$	-3.04
$\text{Rb}^+ + \text{e}^- \rightarrow \text{Rb}(\text{s})$	-2.98
$\text{K}^+(\text{aq}) + \text{e}^- \rightarrow \text{K}(\text{s})$	-2.93
$\text{Cs}^+(\text{aq}) + \text{e}^- \rightarrow \text{Cs}(\text{s})$	-2.92
$\text{Ba}^{2+}(\text{aq}) + 2\text{e}^- \rightarrow \text{Ba}(\text{s})$	-2.91
$\text{Sr}^{2+}(\text{aq}) + 2\text{e}^- \rightarrow \text{Sr}(\text{s})$	-2.89
$\text{Ca}^{2+}(\text{aq}) + 2\text{e}^- \rightarrow \text{Ca}(\text{s})$	-2.76
$\text{Na}^+(\text{aq}) + \text{e}^- \rightarrow \text{Na}(\text{s})$	-2.71
$\text{Mg}(\text{OH})_2 + 2\text{e}^- \rightarrow \text{Mg} + 2\text{OH}^-$	-2.69
$\text{Mg}^{2+}(\text{aq}) + 2\text{e}^- \rightarrow \text{Mg}(\text{s})$	-2.38
$\text{H}_2\text{AlO}_3^-(\text{aq}) + \text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{Al}(\text{s}) + 4\text{OH}^-$	-2.35
$\text{N}_2(\text{g}) + 2\text{H}_2\text{O} + 4\text{H}^+ + 2\text{e}^- \rightarrow 2\text{NH}_3\text{OH}^+(\text{aq})$	-1.87
$\text{Al}^{3+}(\text{aq}) + 3\text{e}^- \rightarrow \text{Al}(\text{s})$	-1.66
$\text{HPO}_3^{2-}(\text{aq}) + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{H}_2\text{PO}_2^-(\text{aq}) + 3\text{OH}^-$	-1.65
$\text{ZnO}_2^{2-}(\text{aq}) + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{Zn}(\text{s}) + 4\text{OH}^-$	-1.22
$\text{CrO}_2^-(\text{aq}) + 2\text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{Cr}(\text{s}) + 4\text{OH}^-$	-1.20
$\text{Mn}^{2+}(\text{aq}) + 2\text{e}^- \rightarrow \text{Mn}(\text{s})$	-1.19
$2\text{SO}_3^{2-}(\text{aq}) + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{S}_2\text{O}_4^{2-}(\text{aq}) + 4\text{OH}^-$	-1.12
$\text{PO}_4^{3-}(\text{aq}) + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{HPO}_3^{2-}(\text{aq}) + 2\text{OH}^-$	-1.05
$\text{Sn}(\text{OH})_6^{2-}(\text{aq}) + 2\text{e}^- \rightarrow \text{HSnO}_2^-(\text{aq}) + 3\text{OH}^- + \text{H}_2\text{O}$	-0.93
$\text{SO}_4^{2-}(\text{aq}) + \text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{SO}_3^{2-}(\text{aq}) + 2\text{OH}^-$	-0.93
$\text{Cr}^{2+}(\text{aq}) + 2\text{e}^- \rightarrow \text{Cr}(\text{s})$	-0.91
$\text{Ti}^{3+}(\text{aq}) + \text{e}^- \rightarrow \text{Ti}^{2+}(\text{aq})$	-0.90
$\text{TiO}_2(\text{s}) + 4\text{H}^+ + 4\text{e}^- \rightarrow \text{Ti}(\text{s}) + 2\text{H}_2\text{O}$	-0.86
$2\text{H}_2\text{O}(\text{l}) + 2\text{e}^- \rightarrow \text{H}_2(\text{g}) + 2\text{OH}^-(\text{aq})$	-0.828
$\text{Zn}^{2+}(\text{aq}) + 2\text{e}^- \rightarrow \text{Zn}(\text{s})$	-0.762
$\text{Cr}^{3+}(\text{aq}) + 3\text{e}^- \rightarrow \text{Cr}(\text{s})$	-0.74
$\text{AsO}_4^{3-}(\text{aq}) + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{AsO}_2^-(\text{aq}) + 4\text{OH}^-$	-0.71
$\text{PbO}(\text{s}) + \text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{Pb}(\text{s}) + 2\text{OH}^-$	-0.576
$\text{Fe}(\text{OH})_3(\text{s}) + \text{e}^- \rightarrow \text{Fe}(\text{OH})_2(\text{s}) + \text{OH}^-$	-0.56
$2\text{CO}_2(\text{g}) + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{H}_2\text{C}_2\text{O}_4(\text{s})$	-0.49
$\text{S}(\text{s}) + \text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{HS}^-(\text{l}) + \text{OH}^-$	-0.48

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$S(s) + 2e^- \rightarrow S^{2-}(aq)$	-0.476
$Fe^{2+}(aq) + 2e^- \rightarrow Fe(s)$	-0.41
$Cd^{2+}(aq) + 2e^- \rightarrow Cd(s)$	-0.40
$Co^{2+}(aq) + 2e^- \rightarrow Co(s)$	-0.28
$Ni^{2+}(aq) + 2e^- \rightarrow Ni(s)$	-0.257
$Sn^{2+}(aq) + 2e^- \rightarrow Sn(s)$	-0.14
$Pb^{2+}(aq) + 2e^- \rightarrow Pb(s)$	-0.13
$Fe^{3+}(aq) + 3e^- \rightarrow Fe(s)$	-0.04
$2H^+(aq) + 2e^- \rightarrow H_2(g)$	0.00
$Sn^{4+}(aq) + 2e^- \rightarrow Sn^{2+}(aq)$	0.15
$Cu^{2+}(aq) + e^- \rightarrow Cu^+(aq)$	0.16
$ClO_4^-(aq) + H_2O(l) + 2e^- \rightarrow ClO_3^-(aq) + 2OH^-(aq)$	0.17
$AgCl(s) + e^- \rightarrow Ag(s) + Cl^-(aq)$	0.22
$Cu^{2+}(aq) + 2e^- \rightarrow Cu(s)$	0.34
$ClO_3^-(aq) + H_2O(l) + 2e^- \rightarrow ClO_2^-(aq) + 2OH^-(aq)$	0.35
$IO_3^-(aq) + H_2O(l) + 2e^- \rightarrow I^-(aq) + 2OH^-(aq)$	0.49
$Cu^+(aq) + e^- \rightarrow Cu(s)$	0.52
$I_2(s) + 2e^- \rightarrow 2I^-(aq)$	0.54
$ClO_2^-(aq) + H_2O(l) + 2e^- \rightarrow ClO^-(aq) + 2OH^-(aq)$	0.59
$Fe^{3+}(aq) + e^- \rightarrow Fe^{2+}(aq)$	0.77
$Hg_2^{2+}(aq) + 2e^- \rightarrow 2Hg(l)$	0.80
$Ag^+(aq) + e^- \rightarrow Ag(s)$	0.80
$Hg^{2+}(aq) + 2e^- \rightarrow Hg(l)$	0.85
$ClO^-(aq) + H_2O(l) + 2e^- \rightarrow Cl^-(aq) + 2OH^-(aq)$	0.90
$2Hg_2^{2+}(aq) + 2e^- \rightarrow Hg_2^{2+}(aq)$	0.90
$NO_3^-(aq) + 4H^+(aq) + 3e^- \rightarrow NO(g) + 2H_2O(l)$	0.96
$Br_2(l) + 2e^- \rightarrow 2Br^-(aq)$	1.07
$O_2(g) + 4H^+(aq) + 4e^- \rightarrow 2H_2O(l)$	1.23
$Cr_2O_7^{2-}(aq) + 14H^+(aq) + 6e^- \rightarrow 2Cr^{3+}(aq) + 7H_2O(l)$	1.33
$Cl_2(g) + 2e^- \rightarrow 2Cl^-(aq)$	1.36
$Ce^{4+}(aq) + e^- \rightarrow Ce^{3+}(aq)$	1.44
$MnO_4^-(aq) + 8H^+(aq) + 5e^- \rightarrow Mn^{2+}(aq) + 4H_2O(l)$	1.49
$H_2O_2(aq) + 2H^+(aq) + 2e^- \rightarrow 2H_2O(l)$	1.78
$Co^{3+}(aq) + e^- \rightarrow Co^{2+}(aq)$	1.82

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$\text{S}_2\text{O}_8^{2-}(\text{aq}) + 2\text{e}^- \rightarrow 2\text{SO}_4^{2-}(\text{aq})$	2.01
$\text{O}_3(\text{g}) + 2\text{H}^+(\text{aq}) + 2\text{e}^- \rightarrow \text{O}_2(\text{g}) + \text{H}_2\text{O}(\text{l})$	2.07
$\text{F}_2(\text{g}) + 2\text{e}^- \rightarrow 2\text{F}^-(\text{aq})$	2.87