

Standard Reduction Potentials

HIGHER element is more easily OXIDIZED. Change sign when Reversing. VOLTS

$\text{Li}^+ + \text{e}^- \rightleftharpoons \text{Li(s)}$	-3.05
$\text{Cs}^+ + \text{e}^- \rightleftharpoons \text{Cs(s)}$	-2.92
$\text{K}^+ + \text{e}^- \rightleftharpoons \text{K(s)}$	-2.92
$\text{Rb}^+ + \text{e}^- \rightleftharpoons \text{Rb(s)}$	-2.92
$\text{Ba}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ba(s)}$	-2.90
$\text{Sr}^{2+} + 2\text{e}^- \rightleftharpoons \text{Sr(s)}$	-2.89
$\text{Ca}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ca(s)}$	-2.87
$\text{Na}^+ + \text{e}^- \rightleftharpoons \text{Na(s)}$	-2.71
$\text{Mg}^{2+} + 2\text{e}^- \rightleftharpoons \text{Mg(s)}$	-2.37
$\text{Be}^{2+} + 2\text{e}^- \rightleftharpoons \text{Be(s)}$	-1.70
$\text{Al}^{3+} + 3\text{e}^- \rightleftharpoons \text{Al(s)}$	-1.66
$\text{Mn}^{2+} + 2\text{e}^- \rightleftharpoons \text{Mn(s)}$	-1.18
$\text{Zn}^{2+} + 2\text{e}^- \rightleftharpoons \text{Zn(s)}$	-0.76
$\text{Cr}^{3+} + 3\text{e}^- \rightleftharpoons \text{Cr(s)}$	-0.74
$\text{Fe}^{2+} + 2\text{e}^- \rightleftharpoons \text{Fe(s)}$	-0.44
$\text{Cr}^{3+} + 3\text{e}^- \rightleftharpoons \text{Cr}^{2+}$	-0.41
$\text{Cd}^{2+} + 2\text{e}^- \rightleftharpoons \text{Cd(s)}$	-0.40
$\text{Tl}^+ + \text{e}^- \rightleftharpoons \text{Tl(s)}$	-0.34
$\text{Co}^{2+} + 2\text{e}^- \rightleftharpoons \text{Co(s)}$	-0.28
$\text{Ni}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ni(s)}$	-0.25
$\text{Sn}^{2+} + 2\text{e}^- \rightleftharpoons \text{Sn(s)}$	-0.14
$\text{Pb}^{2+} + 2\text{e}^- \rightleftharpoons \text{Pb(s)}$	-0.13
$2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_{2(\text{g})}$	0.00
$\text{S(s)} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{S(g)}$	+0.14
$\text{Sn}^{4+} + 2\text{e}^- \rightleftharpoons \text{Sn}^{2+}$	+0.15
$\text{Cu}^{2+} + \text{e}^- \rightleftharpoons \text{Cu}^+$	+0.15
$\text{Cu}^{2+} + 2\text{e}^- \rightleftharpoons \text{Cu(s)}$	+0.34
$\text{Cu}^+ + \text{e}^- \rightleftharpoons \text{Cu(s)}$	+0.52
$\text{I}_2(\text{s}) + 2\text{e}^- \rightleftharpoons 2\text{I}^-$	+0.53
$\text{Fe}^{3+} + \text{e}^- \rightleftharpoons \text{Fe}^{2+}$	+0.77
$\text{Hg}_2^{2+} + 2\text{e}^- \rightleftharpoons 2\text{Hg(l)}$	+0.79
$\text{Ag}^+ + \text{e}^- \rightleftharpoons \text{Ag(s)}$	+0.80
$\text{Hg}^{2+} + 2\text{e}^- \rightleftharpoons \text{Hg(l)}$	+0.85
$2\text{Hg}^{2+} + 2\text{e}^- \rightleftharpoons \text{Hg}_2^{2+}$	+0.92
$\text{Br}_2(\text{l}) + 2\text{e}^- \rightleftharpoons 2\text{Br}^-$	+1.07
$\text{O}_2(\text{g}) + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons 2\text{H}_2\text{O(l)}$	+1.23
$\text{Cl}_2(\text{g}) + 2\text{e}^- \rightleftharpoons 2\text{Cl}^-$	+1.36
$\text{Au}^{3+} + 3\text{e}^- \rightleftharpoons \text{Au(s)}$	+1.50
$\text{Co}^{3+} + \text{e}^- \rightleftharpoons \text{Co}^{2+}$	+1.82
$\text{F}_2(\text{g}) + 2\text{e}^- \rightleftharpoons 2\text{F}^-$	+2.87