

STANDARD REDUCTION POTENTIALS IN AQUEOUS SOLUTION AT 25°C

	Half-reaction	$E^\circ(\text{V})$
	$\text{F}_2(\text{g}) + 2 e^- \rightarrow 2 \text{F}^-$	2.87
	$\text{Co}^{3+} + e^- \rightarrow \text{Co}^{2+}$	1.82
	$\text{Au}^{3+} + 3 e^- \rightarrow \text{Au}(\text{s})$	1.50
	$\text{Cl}_2(\text{g}) + 2 e^- \rightarrow 2 \text{Cl}^-$	1.36
	$\text{O}_2(\text{g}) + 4 \text{H}^+ + 4 e^- \rightarrow 2 \text{H}_2\text{O}(\text{l})$	1.23
	$\text{Br}_2(\text{l}) + 2 e^- \rightarrow 2 \text{Br}^-$	1.07
	$2 \text{Hg}^{2+} + 2 e^- \rightarrow \text{Hg}_2^{2+}$	0.92
	$\text{Hg}^{2+} + 2 e^- \rightarrow \text{Hg}(\text{l})$	0.85
	$\text{Ag}^+ + e^- \rightarrow \text{Ag}(\text{s})$	0.80
	$\text{Hg}_2^{2+} + 2 e^- \rightarrow 2 \text{Hg}(\text{l})$	0.79
	$\text{Fe}^{3+} + e^- \rightarrow \text{Fe}^{2+}$	0.77
	$\text{I}_2(\text{s}) + 2 e^- \rightarrow 2 \text{I}^-$	0.53
	$\text{Cu}^+ + e^- \rightarrow \text{Cu}(\text{s})$	0.52
	$\text{Cu}^{2+} + 2 e^- \rightarrow \text{Cu}(\text{s})$	0.34
	$\text{Cu}^{2+} + e^- \rightarrow \text{Cu}^+$	0.15
	$\text{Sn}^{4+} + 2 e^- \rightarrow \text{Sn}^{2+}$	0.15
	$\text{S}(\text{s}) + 2 \text{H}^+ + 2 e^- \rightarrow \text{H}_2\text{S}(\text{g})$	0.14
	$2 \text{H}^+ + 2 e^- \rightarrow \text{H}_2(\text{g})$	0.00
	$\text{Pb}^{2+} + 2 e^- \rightarrow \text{Pb}(\text{s})$	-0.13
	$\text{Sn}^{2+} + 2 e^- \rightarrow \text{Sn}(\text{s})$	-0.14
	$\text{Ni}^{2+} + 2 e^- \rightarrow \text{Ni}(\text{s})$	-0.25
	$\text{Co}^{2+} + 2 e^- \rightarrow \text{Co}(\text{s})$	-0.28
	$\text{Cd}^{2+} + 2 e^- \rightarrow \text{Cd}(\text{s})$	-0.40
	$\text{Cr}^{3+} + e^- \rightarrow \text{Cr}^{2+}$	-0.41
	$\text{Fe}^{2+} + 2 e^- \rightarrow \text{Fe}(\text{s})$	-0.44
	$\text{Cr}^{3+} + 3 e^- \rightarrow \text{Cr}(\text{s})$	-0.74
	$\text{Zn}^{2+} + 2 e^- \rightarrow \text{Zn}(\text{s})$	-0.76
	$2 \text{H}_2\text{O}(\text{l}) + 2 e^- \rightarrow \text{H}_2(\text{g}) + 2 \text{OH}^-$	-0.83
	$\text{Mn}^{2+} + 2 e^- \rightarrow \text{Mn}(\text{s})$	-1.18
	$\text{Al}^{3+} + 3 e^- \rightarrow \text{Al}(\text{s})$	-1.66
	$\text{Be}^{2+} + 2 e^- \rightarrow \text{Be}(\text{s})$	-1.70
	$\text{Mg}^{2+} + 2 e^- \rightarrow \text{Mg}(\text{s})$	-2.37
	$\text{Na}^+ + e^- \rightarrow \text{Na}(\text{s})$	-2.71
	$\text{Ca}^{2+} + 2 e^- \rightarrow \text{Ca}(\text{s})$	-2.87
	$\text{Sr}^{2+} + 2 e^- \rightarrow \text{Sr}(\text{s})$	-2.89
	$\text{Ba}^{2+} + 2 e^- \rightarrow \text{Ba}(\text{s})$	-2.90
	$\text{Rb}^+ + e^- \rightarrow \text{Rb}(\text{s})$	-2.92
	$\text{K}^+ + e^- \rightarrow \text{K}(\text{s})$	-2.92
	$\text{Cs}^+ + e^- \rightarrow \text{Cs}(\text{s})$	-2.92
	$\text{Li}^+ + e^- \rightarrow \text{Li}(\text{s})$	-3.05

Increasing strength of oxidizing agents

Increasing strength of reducing agents

This table is from http://apcentral.collegeboard.com/apc/members/repository/ap04_chem_standard_9793.pdf. It has been modified by the addition of the notations showing directions of increasing tendencies towards oxidation and reduction.