

**Tavola dei potenziali standard di riduzione
in ordine alfabetico per elemento**
(espressi in Volt, a 25°C, 101 Kpa, 1M)

Afnio	
$\text{Hf}^{4+} + 4\text{e}^- \rightleftharpoons \text{Hf}$	-1,70
$\text{HfO}_2^{2+} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Hf} + \text{H}_2\text{O}$	-1,72
$\text{HfO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Hf} + 2\text{H}_2\text{O}$	-1,50
$\text{HfO}(\text{OH})_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Hf} + 3\text{H}_2\text{O}$	-1,68
$\text{HfO}(\text{OH})_2 + \text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons \text{Hf} + 4\text{OH}^-$	-2,51
Alluminio	
$\text{Al}^{3+} + 3\text{e}^- \rightleftharpoons \text{Al}$	-1,66
$\text{Al}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Al} + 3\text{OH}^-$	-2,30
$\text{Al}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Al} + 3\text{H}_2\text{O}$	-1,49
$\text{Al}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Al} + 3\text{H}_2\text{O}$	-1,47
$\text{AlF}_6^{2-} + 3\text{e}^- \rightleftharpoons \text{Al} + 6\text{F}^-$	-2,07
$\text{Al}(\text{OH})_4^- + 3\text{e}^- \rightleftharpoons \text{Al} + 4\text{OH}^-$	-2,33
$\text{H}_2\text{AlO}_3^- + \text{H}_2\text{O} + 3\text{e}^- \rightleftharpoons \text{Al} + 4\text{OH}^-$	-2,33
Americio	
$\text{Am}^{3+} + 3\text{e}^- \rightleftharpoons \text{Am}$	-2,32
$\text{Am}^{4+} + \text{e}^- \rightleftharpoons \text{Am}^{3+}$	2,18
$\text{Am}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Am} + 3\text{H}_2\text{O}$	-1,68
$\text{AmO}_2 + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Am}^{3+} + 2\text{H}_2\text{O}$	+1,86
$\text{AmO}_2^+ + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Am}^{3+} + 2\text{H}_2\text{O}$	+1,72
$\text{Am}_2^{2+} + 4\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Am}^{3+} + 2\text{H}_2\text{O}$	+1,69
$\text{Am}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Am} + 3\text{H}_2\text{O}$	-1,88
$\text{Am}(\text{OH})_4 + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Am}^{3+} + 4\text{H}_2\text{O}$	+1,75
$\text{AmO}_2\text{OH} + 5\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Am}^{3+} + 3\text{H}_2\text{O}$	+1,64
$\text{AmO}_2(\text{OH})_2 + \text{H}^+ + \text{e}^- \rightleftharpoons \text{AmO}_2\text{OH} + \text{H}_2\text{O}$	+1,93
Antimonio	
$\text{Sb}^{5+} + 2\text{e}^- \rightleftharpoons \text{Sb}^{3+}$	+0,75
$\text{HSbO}_2 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Sb} + 2\text{H}_2\text{O}$	+0,23
$\text{SbO}_2^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightleftharpoons \text{Sb} + 4\text{OH}^-$	-0,66
$\text{Sb}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Sb} + 3\text{H}_2\text{O}$	+0,15
$\text{SbO}_3^- + 6\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{Sb} + 3\text{H}_2\text{O}$	+0,41
$\text{Sb}_2\text{O}_5 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Sb}_2\text{O}_3 + 2\text{H}_2\text{O}$	+0,67
$\text{Sb} + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{SbH}_3$	-0,51
$\text{Sb}(\text{Cl})_4^- + 3\text{e}^- \rightleftharpoons \text{Sb} + 4\text{Cl}^-$	+0,17

Argento	
$\text{Ag}^+ + \text{e}^- \rightleftharpoons \text{Ag}$	+0,80
$\text{Ag}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ag}$	+1,39
$\text{AgO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ag} + \text{H}_2\text{O}$	+1,28
$\text{AgO}^- + 2\text{H}^+ + \text{e}^- \rightleftharpoons \text{Ag} + \text{H}_2\text{O}$	+2,22
$\text{Ag}_2\text{O} + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons 2\text{Ag} + 2\text{OH}^-$	+0,34
$\text{Ag}_2\text{O}_3 + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons 2\text{AgO} + 2\text{OH}^-$	+0,80
$\text{AgCN} + \text{e}^- \rightleftharpoons \text{Ag} + \text{CN}^-$	-0,02
Arsenico	
$\text{As}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{As} + 3\text{H}_2\text{O}$	+0,23
$\text{As}_2\text{O}_5 + 10\text{H}^+ + 10\text{e}^- \rightleftharpoons 2\text{As} + 5\text{H}_2\text{O}$	+0,43
$\text{HASO}_2 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{As} + 2\text{H}_2\text{O}$	+0,25
$\text{AsO}_2^- + 4\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{As} + 2\text{H}_2\text{O}$	+0,43
$\text{AsO}_2^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightleftharpoons \text{As} + 4\text{OH}^-$	-0,67
$\text{H}_3\text{AsO}_4 + 5\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{As} + 4\text{H}_2\text{O}$	+0,37
$\text{AsO}_4^{3-} + 8\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{As} + 4\text{H}_2\text{O}$	+0,65
$\text{AsO}_4^{3-} + 2\text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{AsO}_2^- + 2\text{OH}^-$	-0,71
$\text{HASO}_4^{2-} + 7\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{As} + 4\text{H}_2\text{O}$	+0,50
$\text{H}_2\text{AsO}_4^- + 6\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{As} + 4\text{H}_2\text{O}$	+0,41
$\text{As} + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{AsH}_3$	-0,61
Astato	
$\text{At}_2 + 2\text{e}^- \rightleftharpoons 2\text{At}^-$	+0,20
$2\text{HAtO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{At}_2 + 2\text{H}_2\text{O}$	+0,70
$2\text{AtO}^- + 2\text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{At}_2 + 2\text{OH}^-$	+0,00
$\text{AtO}_3^- + 2\text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons \text{AtO}^- + 4\text{OH}^-$	+0,50
$\text{HAtO}_3 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{HAtO} + 2\text{H}_2\text{O}$	+1,40
Attinio	
$\text{Ac}^{3+} + 3\text{e}^- \rightleftharpoons \text{Ac}$	-2,60

Azoto	
$2\text{NO} + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{N}_2 + 2\text{H}_2\text{O}$	+1,68
$\text{N}_2\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{N}_2 + \text{H}_2\text{O}$	+1,77
$2\text{NO}_2 + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons \text{N}_2 + 4\text{H}_2\text{O}$	+1,36
$3\text{N}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{HN}_3(\text{g})$	-3,40
$2\text{HNO}_2 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{N}_2 + 4\text{H}_2\text{O}$	+1,45
$2\text{HNO}_3 + 10\text{H}^+ + 10\text{e}^- \rightleftharpoons \text{N}_2 + 6\text{H}_2\text{O}$	+1,25
$2\text{NO}_3^- + 12\text{H}^+ + 10\text{e}^- \rightleftharpoons \text{N}_2 + 6\text{H}_2\text{O}$	+1,25
$2\text{NO}_3^- + 6\text{H}_2\text{O} + 10\text{e}^- \rightleftharpoons \text{N}_2 + 12\text{OH}^-$	+0,25
$\text{N}_2\text{O}_4 + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons \text{N}_2 + 4\text{H}_2\text{O}$	+1,36
$\text{N}_2 + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{NH}_4^+$	+0,28
$\text{N}_2 + 8\text{H}_2\text{O} + 6\text{e}^- \rightleftharpoons 2\text{NH}_4\text{OH} + 6\text{OH}^-$	-0,74
$\text{N}_2 + 2\text{H}_2\text{O} + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{NH}_4\text{OH}$	+0,09
$2\text{NO}_2^- + 4\text{H}_2\text{O} + 6\text{e}^- \rightleftharpoons \text{N}_2 + 8\text{OH}^-$	+0,42
$2\text{NO}_2^- + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{N}_2 + 4\text{H}_2\text{O}$	+1,52
$\text{N}_2 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{NH}_3(\text{g})$	+0,06
$3\text{N}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{HN}_3(\text{aq})$	-3,09
$\text{CNO}^- + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{CN}^- + 2\text{OH}^-$	-0,97
$\text{HCNO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HCN} + \text{H}_2\text{O}$	+0,02
Bario	
$\text{Ba}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ba}$	-2,91
$\text{Ba}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Ba} + 2\text{OH}^-$	-2,81
$\text{BaO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ba} + \text{H}_2\text{O}$	-1,51
$\text{Ba} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{BaH}_2$	+0,69
$\text{Ba}^{2+} + 2\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{BaH}_2$	-1,11
$\text{BaO}_2 + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ba}^{2+} + 2\text{H}_2\text{O}$	+2,42
$\text{BaOH}^+ + 2\text{e}^- \rightleftharpoons \text{Ba} + \text{OH}^-$	-2,94
Berillio	
$\text{Be}^{2+} + 2\text{e}^- \rightleftharpoons \text{Be}$	-1,85
$\text{BeO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Be} + \text{H}_2\text{O}$	-1,79
$\text{BeO} + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{Be} + 2\text{OH}^-$	-2,61
$\text{BeO}_2^{2-} + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Be} + 2\text{H}_2\text{O}$	-0,91
$\text{Be}_2\text{O}_3^{2-} + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons 2\text{Be} + 3\text{H}_2\text{O}$	-1,39
$\text{Be}_2\text{O}_3^{2-} + 3\text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons 2\text{Be} + 6\text{OH}^-$	-2,63
Berkelio	
$\text{Bk}^{3+} + 3\text{e}^- \rightleftharpoons \text{Bk}$	-2,40
$\text{Bk}^{4+} + \text{e}^- \rightleftharpoons \text{Bk}^{3+}$	+1,60

Bismuto	
$\text{Bi}^{3+} + 3\text{e}^- \rightleftharpoons \text{Bi}$	+0,29
$\text{Bi}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Bi} + 3\text{H}_2\text{O}$	+0,37
$\text{Bi}_2\text{O}_3 + 3\text{H}_2\text{O} + 6\text{e}^- \rightleftharpoons 2\text{Bi} + 6\text{OH}^-$	-0,46
$\text{Bi}_2\text{O}_4 + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons 2\text{Bi} + 4\text{H}_2\text{O}$	+0,64
$\text{Bi}_2\text{O}_4 + 8\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{Bi}^{3+} + 4\text{H}_2\text{O}$	+1,91
$\text{Bi}_2\text{O}_5 + 10\text{H}^+ + 10\text{e}^- \rightleftharpoons 2\text{Bi} + 5\text{H}_2\text{O}$	+0,83
$\text{Bi}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Bi} + 3\text{H}_2\text{O}$	+0,48
$\text{Bi} + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{BiH}_3$	-0,80
$\text{Bi}(\text{Cl})_4^- + 3\text{e}^- \rightleftharpoons \text{Bi} + 4\text{Cl}^-$	+0,16
$\text{BiO}^+ + 2\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Bi} + \text{H}_2\text{O}$	+0,32
$\text{BiOH}^{2+} + \text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Bi} + \text{H}_2\text{O}$	+0,25
Boro	
$\text{B}^{3+} + 3\text{e}^- \rightleftharpoons \text{B}$	-0,73
$\text{B}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{B} + 3\text{H}_2\text{O}$	-0,84
$\text{BO}_{(\text{g})} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{B} + \text{H}_2\text{O}$	+0,81
$\text{H}_3\text{BO}_{3(\text{s})} + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{B} + 3\text{H}_2\text{O}$	-0,87
$\text{H}_2\text{BO}_3^- + \text{H}_2\text{O} + 3\text{e}^- \rightleftharpoons \text{B} + 4\text{OH}^-$	-1,79
$\text{H}_2\text{BO}_3^- + 4\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{B} + 3\text{H}_2\text{O}$	-0,69
$\text{HBO}_3^- + 5\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{B} + 3\text{H}_2\text{O}$	-0,44
$\text{BO}_3^{3-} + 6\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{B} + 3\text{H}_2\text{O}$	-0,17
$2\text{BO}_3^{3-} + 18\text{H}^+ + 12\text{e}^- \rightleftharpoons \text{B}_2\text{H}_6 + 6\text{H}_2\text{O}$	-0,15
$\text{B}_4\text{O}_7^{2-} + 14\text{H}^+ + 12\text{e}^- \rightleftharpoons 4\text{B} + 7\text{H}_2\text{O}$	-0,79
$\text{HB}_4\text{O}_7^- + 25\text{H}^+ + 24\text{e}^- \rightleftharpoons 2\text{B}_2\text{H}_6 + 7\text{H}_2\text{O}$	-0,49
$5\text{B} + 9\text{H}^+ + 9\text{e}^- \rightleftharpoons \text{B}_5\text{H}_9$	-0,19
$10\text{B} + 14\text{H}^+ + 14\text{e}^- \rightleftharpoons \text{B}_{10}\text{H}_{14(\text{g})}$	-0,22
$\text{H}_3\text{BO}_{3(\text{aq})} + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{B} + 3\text{H}_2\text{O}$	-0,87
$10\text{B} + 14\text{H}^+ + 14\text{e}^- \rightleftharpoons \text{B}_{10}\text{H}_{14(\text{s})}$	-0,20
Bromo	
$\text{Br}_{2(\text{l})} + 2\text{e}^- \rightleftharpoons 2\text{Br}^-$	+1,07
$\text{Br}_{2(\text{aq})} + 2\text{e}^- \rightleftharpoons 2\text{Br}^-$	+1,09
$2\text{HBrO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Br}_{2(\text{l})} + 2\text{H}_2\text{O}$	+1,60
$2\text{BrO}^- + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Br}_{2(\text{l})} + 2\text{H}_2\text{O}$	+2,11
$2\text{HBrO}_3 + 10\text{H}^+ + 10\text{e}^- \rightleftharpoons \text{Br}_{2(\text{l})} + 6\text{H}_2\text{O}$	+1,49
$2\text{BrO}_3^- + 12\text{H}^+ + 10\text{e}^- \rightleftharpoons \text{Br}_{2(\text{l})} + 6\text{H}_2\text{O}$	+1,50
$\text{BrO}_3^- + 3\text{H}_2\text{O} + 6\text{e}^- \rightleftharpoons \text{Br}^- + 6\text{OH}^-$	+0,61
$3\text{Br}_{2(\text{l})} + 2\text{e}^- \rightleftharpoons 2\text{Br}_3^-$	+1,10
$5\text{Br}_{2(\text{l})} + 2\text{e}^- \rightleftharpoons 2\text{Br}_5^-$	+1,06
$\text{BrO}^- + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{Br}^- + 2\text{OH}^-$	+0,76

Cadmio	
$\text{Cd}^{2+} + 2\text{e}^- \rightleftharpoons \text{Cd}$	-0,40
$\text{CdO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Cd} + \text{H}_2\text{O}$	+0,06
$\text{Cd}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Cd} + 2\text{OH}^-$	-0,81
$\text{HCdO}_2^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Cd} + 2\text{H}_2\text{O}$	+0,58
$\text{Cd} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{CdH}$	-2,42
Calcio	
$\text{Ca}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ca}$	-2,87
$\text{Ca}^+ + \text{e}^- \rightleftharpoons \text{Ca}$	-3,80
$\text{Ca} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{CaH}_2$	+0,78
$\text{Ca}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Ca} + 2\text{OH}^-$	-3,02
$\text{Ca}(\text{OH})_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{CaH}_2 + 2\text{H}_2\text{O}$	-0,71
$\text{CaO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ca} + \text{H}_2\text{O}$	-1,90
$\text{CaO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{CaO} + \text{H}_2\text{O}$	-1,26
$\text{CaOH}^+ + 2\text{e}^- \rightleftharpoons \text{Ca} + \text{OH}^-$	-2,91
Californio	
$\text{Cf}^{3+} + 3\text{e}^- \rightleftharpoons \text{Cf}$	-2,10
Carbonio	
$\text{CO}_{(\text{g})} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{C} + \text{H}_2\text{O}$	+0,52
$\text{CO}_{2(\text{g})} + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{C} + 2\text{H}_2\text{O}$	+0,21
$\text{CO}_3^{2-} + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{C} + 3\text{H}_2\text{O}$	+0,48
$\text{CO}_3^{2-} + 3\text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons \text{C} + 6\text{OH}^-$	-0,77
$\text{HCO}_3^- + 5\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{C} + 3\text{H}_2\text{O}$	+0,32
$\text{H}_2\text{CO}_3 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{C} + 3\text{H}_2\text{O}$	+0,23
$\text{HCOOH} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{C} + 2\text{H}_2\text{O}$	+0,63
$\text{HCOO}^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{C} + 2\text{H}_2\text{O}$	+0,72
$\text{C} + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{CH}_4$	-0,13
Cerio	
$\text{Ce}^{3+} + 3\text{e}^- \rightleftharpoons \text{Ce}$	-2,48
$\text{Ce}^{4+} + \text{e}^- \rightleftharpoons \text{Ce}^{3+}$	+1,61
$\text{Ce}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Ce} + 3\text{OH}^-$	-2,87
$\text{Ce}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{e} + 3\text{H}_2\text{O}$	+2,05
$2\text{CeO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ce}_2\text{O}_3 + \text{H}_2\text{O}$	+1,56
$\text{CeOH}^{3+} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{Ce}^{3+} + \text{H}_2\text{O}$	+1,71
$\text{Ce}(\text{OH})_2^{2+} + 2\text{H}^+ + \text{e}^- \rightleftharpoons \text{Ce}^{3+} + \text{H}_2\text{O}$	+1,73
Cesio	
$\text{Cs}^+ + \text{e}^- \rightleftharpoons \text{Cs}$	-2,92

Cloro	
$\text{Cl}_2 + 2\text{e}^- \rightleftharpoons 2\text{Cl}^-$	+1,36
$2\text{HClO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Cl}_2 + 2\text{H}_2\text{O}$	+1,63
$2\text{ClO}^- + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Cl}_2 + 2\text{H}_2\text{O}$	+2,07
$\text{Cl}_2\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Cl}_2 + \text{H}_2\text{O}$	+1,71
$2\text{HClO}_2 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Cl}_2 + 4\text{H}_2\text{O}$	+1,64
$2\text{ClO}_2^- + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Cl}_2 + 4\text{H}_2\text{O}$	+1,68
$2\text{ClO}_3^- + 12\text{H}^+ + 10\text{e}^- \rightleftharpoons \text{Cl}_2 + 6\text{H}_2\text{O}$	+1,47
$\text{ClO}_3^- + 3\text{H}_2\text{O} + 6\text{e}^- \rightleftharpoons \text{Cl}^- + 6\text{OH}^-$	+0,62
$2\text{ClO}_4^- + 16\text{H}^+ + 14\text{e}^- \rightleftharpoons \text{Cl}_2 + 8\text{H}_2\text{O}$	+1,39
$\text{ClO}_4^- + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{ClO}_3^- + 2\text{OH}^-$	+0,36
$\text{Cl}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{HCl}_{(\text{g})}$	+0,99
$2\text{ClO}_2 + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons \text{Cl}_2 + 4\text{H}_2\text{O}$	+1,55
Cobalto	
$\text{Co}^{2+} + 2\text{e}^- \rightleftharpoons \text{Co}$	-0,28
$\text{Co}^{3+} + \text{e}^- \rightleftharpoons \text{Co}^{2+}$	+1,81
$\text{Co}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Co} + 2\text{H}_2\text{O}$	+0,10
$\text{Co}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Co} + 2\text{OH}^-$	-0,73
$\text{Co}_3\text{O}_4 + 8\text{H}^+ + 2\text{e}^- \rightleftharpoons 3\text{Co}^{2+} + 4\text{H}_2\text{O}$	+2,11
$\text{Co}_2\text{O}_3 + 6\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{Co}^{2+} + 3\text{H}_2\text{O}$	+1,75
$\text{CoO}_2 + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Co}^{2+} + 2\text{H}_2\text{O}$	+1,61
$\text{Co}_2\text{O}_3 + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons 2\text{HCoO}_2^-$	-0,13
$\text{CoO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Co} + \text{H}_2\text{O}$	+0,17
Cromo	
$\text{Cr}^{3+} + 3\text{e}^- \rightleftharpoons \text{Cr}$	-0,74
$\text{Cr}^{3+} + \text{e}^- \rightleftharpoons \text{Cr}^{2+}$	-0,41
$\text{CrO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Cr} + \text{H}_2\text{O}$	-0,59
$\text{Cr}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Cr} + 3\text{H}_2\text{O}$	-0,58
$2\text{CrO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Cr}_2\text{O}_3 + \text{H}_2\text{O}$	+1,06
$\text{Cr}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Cr} + 3\text{H}_2\text{O}$	-0,65
$\text{Cr}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Cr} + 3\text{OH}^-$	-1,48
$\text{H}_2\text{CrO}_4 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Cr} + 4\text{H}_2\text{O}$	+0,30
$\text{HCrO}_4^- + 7\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Cr} + 4\text{H}_2\text{O}$	+0,30
$\text{CrO}_4^{2-} + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Cr} + 4\text{H}_2\text{O}$	+0,37
$\text{CrO}_2^- + 4\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Cr} + 2\text{H}_2\text{O}$	-0,21
$\text{CrO}_3^{3-} + 6\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Cr} + 3\text{H}_2\text{O}$	+0,37
$\text{Cr}_2\text{O}_7^{2-} + 14\text{H}^+ + 12\text{e}^- \rightleftharpoons 2\text{Cr} + 7\text{H}_2\text{O}$	+0,29
Curio	
$\text{Cm}^{3+} + 3\text{e}^- \rightleftharpoons \text{Cm}$	-2,70
Disprosio	
$\text{Dy}^{3+} + 3\text{e}^- \rightleftharpoons \text{Dy}$	-2,35
$\text{Dy}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Dy} + 3\text{H}_2\text{O}$	-1,96
$\text{Dy}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Dy} + 3\text{OH}^-$	-2,78

Erbio	
$\text{Er}^{3+} + 3\text{e}^- \rightleftharpoons \text{Er}$	-2,30
$\text{Er}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Er} + 3\text{H}_2\text{O}$	-1,92
$\text{Er}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Er} + 3\text{OH}^-$	-2,75
Europio	
$\text{Eu}^{3+} + 3\text{e}^- \rightleftharpoons \text{Eu}$	-2,41
$\text{Eu}^{2+} + 2\text{e}^- \rightleftharpoons \text{Eu}$	-3,40
$\text{Eu}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Eu} + 3\text{H}_2\text{O}$	-2,00
$\text{Eu}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Eu} + 3\text{OH}^-$	-2,83
Fermio	
$\text{Fm}^{3+} + 3\text{e}^- \rightleftharpoons \text{Fm}$	-2,10
Ferro	
$\text{Fe}^{2+} + 2\text{e}^- \rightleftharpoons \text{Fe}$	-0,44
$\text{Fe}^{3+} + \text{e}^- \rightleftharpoons \text{Fe}^{2+}$	+0,77
$\text{Fe}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Fe} + 3\text{H}_2\text{O}$	-0,05
$\text{Fe}_3\text{O}_4 + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons 3\text{Fe} + 4\text{H}_2\text{O}$	-0,09
$\text{Fe}_3\text{O}_4 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 3\text{FeO} + \text{H}_2\text{O}$	-0,20
$\text{Fe}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Fe} + 3\text{H}_2\text{O}$	+0,06
$\text{Fe}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Fe} + 2\text{OH}^-$	-0,88
$\text{HFeO}_2^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Fe} + 2\text{H}_2\text{O}$	+0,49
$\text{FeOH}^{2+} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{Fe}^{2+} + \text{H}_2\text{O}$	+0,91
$\text{Fe}(\text{OH})_2^+ + 2\text{H}^+ + \text{e}^- \rightleftharpoons \text{Fe}^{2+} + 2\text{H}_2\text{O}$	+1,19
$\text{Fe}(\text{OH})_3 + \text{e}^- \rightleftharpoons \text{Fe}(\text{OH})_2 + \text{OH}^-$	-0,56
$\text{FeO}_4^{2-} + 8\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Fe}^{3+} + 4\text{H}_2\text{O}$	+2,20
$\text{FeO}_4^{2-} + 4\text{H}_2\text{O} + 3\text{e}^- \rightleftharpoons \text{Fe}(\text{OH})_3 + 5\text{OH}^-$	+0,72
Fluoro	
$\text{F}_2 + 2\text{e}^- \rightleftharpoons 2\text{F}^-$	+2,87
$\text{F}_2\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{F}_2 + \text{H}_2\text{O}$	+1,44
$\text{F}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{HF}_{(\text{g})}$	+2,81
$\text{F}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{HF}_{(\text{aq})}$	+3,05
$\text{F}_2 + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HF}_2^-$	+2,98
Fosforo	
$\text{H}_3\text{PO}_4 + 5\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{P} + 4\text{H}_2\text{O}$	-0,41
$\text{H}_2\text{PO}_4^- + 6\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{P} + 4\text{H}_2\text{O}$	-0,39
$\text{HPO}_4^{2-} + 7\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{P} + 4\text{H}_2\text{O}$	-0,30
$\text{PO}_4^{3-} + 8\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{P} + 4\text{H}_2\text{O}$	-0,16
$\text{H}_3\text{PO}_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{P} + 3\text{H}_2\text{O}$	-0,50
$\text{H}_2\text{PO}_3^- + 4\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{P} + 3\text{H}_2\text{O}$	-0,47
$\text{HPO}_3^{2-} + 5\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{P} + 3\text{H}_2\text{O}$	-0,35
$\text{H}_3\text{PO}_2 + \text{H}^+ + \text{e}^- \rightleftharpoons \text{P} + 2\text{H}_2\text{O}$	-0,51
$\text{H}_2\text{PO}_2^- + 2\text{H}^+ + \text{e}^- \rightleftharpoons \text{P} + 2\text{H}_2\text{O}$	-0,39
$\text{P} + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{PH}_3$	-0,06

$\text{HPO}_3^{2-} + 2\text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{H}_2\text{PO}_2^- + 3\text{OH}^-$	-1,57
$\text{H}_2\text{PO}_2^- + \text{e}^- \rightleftharpoons \text{P} + 2\text{OH}^-$	-2,05
Gadolinio	
$\text{Gd}^{3+} + 3\text{e}^- \rightleftharpoons \text{Gd}$	-2,40
$\text{Gd}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Gd} + 3\text{H}_2\text{O}$	-1,99
$\text{Gd}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Gd} + 3\text{OH}^-$	-2,82
Gallio	
$\text{Ga}^{3+} + 3\text{e}^- \rightleftharpoons \text{Ga}$	-0,56
$\text{Ga}^{3+} + \text{e}^- \rightleftharpoons \text{Ga}^{2+}$	-0,68
$\text{Ga}_2\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{Ga} + \text{H}_2\text{O}$	-0,40
$\text{Ga}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Ga} + 3\text{H}_2\text{O}$	-0,42
$\text{Ga}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Ga} + 3\text{H}_2\text{O}$	-0,49
$\text{H}_2\text{GaO}_3^- + \text{H}_2\text{O} + 3\text{e}^- \rightleftharpoons \text{Ga} + 4\text{OH}^-$	-1,22
$\text{HGaO}_3^{2-} + 5\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Ga} + 3\text{H}_2\text{O}$	+0,09
$\text{GaO}_3^{3-} + 6\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Ga} + 3\text{H}_2\text{O}$	+0,32
$\text{GaO}_2^- + 4\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Ga} + 2\text{H}_2\text{O}$	-0,11
$\text{GaOH}^{2+} + \text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Ga} + \text{H}_2\text{O}$	+0,48
$\text{Ga}(\text{OH})_4^- + 3\text{e}^- \rightleftharpoons \text{Ga} + 4\text{OH}^-$	-1,33
$\text{GaO}^+ + 2\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Ga} + \text{H}_2\text{O}$	-0,42
Germanio	
$\text{Ge}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ge}$	+0,24
$\text{Ge}^{4+} + 2\text{e}^- \rightleftharpoons \text{Ge}$	+0,12
$\text{GeO}_{(\text{Brown})} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ge} + \text{H}_2\text{O}$	-0,29
$\text{GeO}_{(\text{Yellow})} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ge} + \text{H}_2\text{O}$	-0,13
$\text{GeO}_{2(\text{esag.})} + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Ge} + \text{H}_2\text{O}$	-0,20
$\text{GeO}_{2(\text{tetrag.})} + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Ge} + \text{H}_2\text{O}$	-0,25
$\text{GeO}_3^{2-} + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Ge} + 3\text{H}_2\text{O}$	+0,13
$\text{HGeO}_3^- + 5\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Ge} + 3\text{H}_2\text{O}$	-0,06
$\text{H}_2\text{GeO}_3 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Ge} + 3\text{H}_2\text{O}$	-0,18
$\text{Ge} + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{GeH}_4$	-0,87
Indio	
$\text{In}^{3+} + 3\text{e}^- \rightleftharpoons \text{In}$	-0,34
$\text{In}^{3+} + \text{e}^- \rightleftharpoons \text{In}^{2+}$	-0,49
$\text{In}^{2+} + \text{e}^- \rightleftharpoons \text{In}^+$	-0,40
$\text{In}^+ + \text{e}^- \rightleftharpoons \text{In}$	-0,14
$\text{In}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{In} + 3\text{H}_2\text{O}$	-0,19
$\text{In}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{In} + 3\text{H}_2\text{O}$	-0,17
$\text{In}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{In} + 3\text{OH}^-$	-1,00
$\text{In} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{InH}$	-1,95
$\text{InOH}^{2+} + \text{H}^+ + 3\text{e}^- \rightleftharpoons \text{In} + \text{H}_2\text{O}$	-0,27

Iodio	
$I_{2(s)} + 2e^- \rightleftharpoons 2I^-$	+0,54
$I_{2(g)} + 2e^- \rightleftharpoons 2I^-$	+0,64
$I_{2(aq)} + 2e^- \rightleftharpoons 2I^-$	+0,62
$I_{2(g)} + 2H^+ + 2e^- \rightleftharpoons 2HI$	+0,09
$2HIO + 2H^+ + 2e^- \rightleftharpoons I_{2(s)} + 2H_2O$	+1,44
$2IO^- + 4H^+ + 2e^- \rightleftharpoons I_{2(s)} + 2H_2O$	+2,09
$2HIO_3 + 10H^+ + 10e^- \rightleftharpoons I_{2(s)} + 6H_2O$	+1,19
$2IO_3^- + 12H^+ + 10e^- \rightleftharpoons I_{2(s)} + 6H_2O$	+1,20
$IO_3^- + 3H_2O + 6e^- \rightleftharpoons I^- + 6OH^-$	+0,26
$2HIO_4 + 14H^+ + 14e^- \rightleftharpoons I_{2(s)} + 8H_2O$	+1,31
$2IO_4^- + 16H^+ + 14e^- \rightleftharpoons I_{2(s)} + 8H_2O$	+1,33
$2HIO_5^{2-} + 18H^+ + 14e^- \rightleftharpoons I_{2(s)} + 10H_2O$	+1,40
$2IO_5^{3-} + 20H^+ + 14e^- \rightleftharpoons I_{2(s)} + 10H_2O$	+1,49
$2H_5IO_6 + 14H^+ + 14e^- \rightleftharpoons I_{2(s)} + 12H_2O$	+1,31
$H_3IO_6^{2-} + 2e^- \rightleftharpoons IO_3^- + 3OH^-$	+0,70
$2I^+ + 2e^- \rightleftharpoons I_{2(s)}$	+1,36
$3I_2 + 2e^- \rightleftharpoons 2I_3^-$	+0,53
Iridio	
$Ir^{3+} + 3e^- \rightleftharpoons Ir$	+1,16
$IrO + 2H^+ + 2e^- \rightleftharpoons Ir + H_2O$	+0,87
$IrO_2 + 4H^+ + 4e^- \rightleftharpoons Ir + 2H_2O$	+0,93
$Ir_2O_3 + 6H^+ + 6e^- \rightleftharpoons 2Ir + 3H_2O$	+0,93
$Ir_2O_3 + 3H_2O + 6e^- \rightleftharpoons 2Ir + 6OH^-$	+0,10
$IrO_4^{2-} + 8H^+ + 3e^- \rightleftharpoons Ir^{3+} + 4H_2O$	+1,45
$IrCl_6^{3-} + 3e^- \rightleftharpoons Ir + 6Cl^-$	+0,77
Itterbio	
$Yb^{3+} + 3e^- \rightleftharpoons Yb$	-2,27
$Yb^{2+} + 2e^- \rightleftharpoons Yb$	-2,80
$Yb_2O_3 + 6H^+ + 6e^- \rightleftharpoons 2Yb + 3H_2O$	-1,90
$Yb(OH)_3 + 3e^- \rightleftharpoons Yb + 3OH^-$	-2,73
Ittrio	
$Y^{3+} + 3e^- \rightleftharpoons Y$	-2,37
$Y_2O_3 + 6H^+ + 6e^- \rightleftharpoons 2Y + 3H_2O$	-1,68
$Y(OH)_3 + 3H^+ + 3e^- \rightleftharpoons Y + 3H_2O$	-1,98
$Y(OH)_3 + 3e^- \rightleftharpoons Y + 3OH^-$	-2,81
Lantanio	
$La^{3+} + 3e^- \rightleftharpoons La$	-2,52
$La_2O_3 + 6H^+ + 6e^- \rightleftharpoons 2La + 3H_2O$	-1,86
$La(OH)_3 + 3H^+ + 3e^- \rightleftharpoons La + 3H_2O$	-2,07
$La(OH)_3 + 3e^- \rightleftharpoons La + 3OH^-$	-2,90

Litio	
$\text{Li}^+ + \text{e}^- \rightleftharpoons \text{Li}$	-3,04
$\text{Li} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{LiH}$	+0,73
$\text{Li}^+ + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{LiH}$	-1,16
Lutezio	
$\text{Lu}^{3+} + 3\text{e}^- \rightleftharpoons \text{Lu}$	-2,26
$\text{Lu}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Lu} + 3\text{H}_2\text{O}$	-1,89
$\text{Lu}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Lu} + 3\text{OH}^-$	-2,72
Magnesio	
$\text{Mg}^{2+} + 2\text{e}^- \rightleftharpoons \text{Mg}$	-2,36
$\text{Mg}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Mg} + 2\text{OH}^-$	-2,69
$\text{MgOH}^+ + 2\text{e}^- \rightleftharpoons \text{Mg} + \text{OH}^-$	-2,44
Manganese	
$\text{Mn}^{2+} + 2\text{e}^- \rightleftharpoons \text{Mn}$	-1,18
$\text{Mn}^{3+} + \text{e}^- \rightleftharpoons \text{Mn}^{2+}$	+1,51
$\text{Mn}^{4+} + 4\text{e}^- \rightleftharpoons \text{Mn}$	+0,20
$\text{MnO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Mn} + \text{H}_2\text{O}$	-0,65
$\text{Mn}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Mn} + 3\text{H}_2\text{O}$	-0,31
$\text{MnO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Mn} + 2\text{H}_2\text{O}$	+0,02
$\text{Mn}_3\text{O}_4 + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons 3\text{Mn} + 4\text{H}_2\text{O}$	-0,44
$\text{Mn}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Mn} + 2\text{H}_2\text{O}$	-0,73
$\text{Mn}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Mn} + 3\text{H}_2\text{O}$	-0,16
$\text{Mn}(\text{OH})_4 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Mn} + 4\text{H}_2\text{O}$	+0,21
$\text{MnOOH} + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Mn} + 2\text{H}_2\text{O}$	-0,34
$\text{MnO}(\text{OH})_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Mn} + 3\text{H}_2\text{O}$	+0,12
$\text{HMnO}_2^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Mn} + 2\text{H}_2\text{O}$	-0,16
$\text{MnO}_4^- + 8\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{Mn}^{2+} + 4\text{H}_2\text{O}$	+1,51
$\text{MnO}_4^{2-} + 5\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{HMnO}_2^- + 2\text{H}_2\text{O}$	+1,23
$\text{MnOH}^+ + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Mn} + \text{H}_2\text{O}$	-0,87
$\text{Mn}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Mn} + 2\text{OH}^-$	-1,56
$\text{MnO}_2 + 2\text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{Mn}(\text{OH})_2 + 2\text{OH}^-$	-0,05
$\text{Mn}(\text{OH})_3 + \text{e}^- \rightleftharpoons \text{Mn}(\text{OH})_2 + \text{OH}^-$	+0,15
$\text{MnO}_4^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightleftharpoons \text{MnO}_2 + 4\text{OH}^-$	+0,59
$\text{MnO}_4^- + \text{e}^- \rightleftharpoons \text{MnO}_4^{2-}$	+0,56
$\text{MnO}_4^{2-} + 2\text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{MnO}_2 + 4\text{OH}^-$	+0,60
Mercurio	
$\text{Hg}_2^{2+} + 2\text{e}^- \rightleftharpoons 2\text{Hg}$	+0,79
$2\text{Hg}^{2+} + 2\text{e}^- \rightleftharpoons \text{Hg}_2^{2+}$	+0,92
$\text{Hg}^{2+} + 2\text{e}^- \rightleftharpoons \text{Hg}$	+0,85
$\text{HgO} + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{Hg} + 2\text{OH}^-$	+0,10
$\text{HgO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Hg} + \text{H}_2\text{O}$	+0,93
$\text{Hg}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Hg} + 2\text{H}_2\text{O}$	+1,03

Molibdeno	
$\text{Mo}^{3+} + 3\text{e}^- \rightleftharpoons \text{Mo}$	-0,20
$\text{MoO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Mo} + 2\text{H}_2\text{O}$	-0,07
$\text{MoO}_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{MoO}_2 + \text{H}_2\text{O}$	+0,32
$\text{H}_2\text{MoO}_4 + 6\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Mo}^{3+} + 4\text{H}_2\text{O}$	-0,62
$\text{HMoO}_4^- + 7\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Mo}^{3+} + 4\text{H}_2\text{O}$	+0,39
$\text{MoO}_4^{2-} + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Mo} + 4\text{H}_2\text{O}$	+0,15
Neodimio	
$\text{Nd}^{3+} + 3\text{e}^- \rightleftharpoons \text{Nd}$	-2,43
$\text{Nd}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Nd} + 3\text{H}_2\text{O}$	-2,01
$\text{Nd}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Nd} + 3\text{OH}^-$	-2,84
$\text{Nd}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Nd} + 3\text{H}_2\text{O}$	-1,81
Nettunio	
$\text{Np}^{3+} + 3\text{e}^- \rightleftharpoons \text{Np}$	-1,86
$\text{Np}^{4+} + \text{e}^- \rightleftharpoons \text{Np}^{3+}$	+0,15
$\text{NpO}_2^+ + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Np}^{4+} + 2\text{H}_2\text{O}$	+0,75
$\text{Np}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Np} + 3\text{H}_2\text{O}$	-1,42
$\text{NpO}_2^{2+} + \text{e}^- \rightleftharpoons \text{NpO}_2^+$	+1,13
$\text{NpO}_2 + \text{H}_2\text{O} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{Np}(\text{OH})_3$	-0,96
$\text{NpO}_2\text{OH} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{NpO}_2^+ + \text{H}_2\text{O}$	+1,25
$\text{Np}(\text{OH})_4 + \text{H}^+ + \text{e}^- \rightleftharpoons \text{Np}(\text{OH})_3 + \text{H}_2\text{O}$	-0,93
$\text{NpO}_2(\text{OH})_2 + \text{H}^+ + \text{e}^- \rightleftharpoons \text{NpO}_2\text{OH} + \text{H}_2\text{O}$	+1,13
Nichel	
$\text{Ni}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ni}$	-0,26
$\text{NiO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ni} + \text{H}_2\text{O}$	+0,12
$\text{Ni}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ni} + 2\text{H}_2\text{O}$	+0,11
$\text{Ni}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Ni} + 2\text{OH}^-$	-0,72
$\text{Ni}_2\text{O}_3 + 6\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{Ni}^{2+} + 3\text{H}_2\text{O}$	+1,75
$\text{Ni}_3\text{O}_4 + 8\text{H}^+ + 2\text{e}^- \rightleftharpoons 3\text{Ni}^{2+} + 4\text{H}_2\text{O}$	+1,98
$\text{HNiO}_2^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ni} + 2\text{H}_2\text{O}$	+0,65
Niobio	
$\text{Nb}^{3+} + 3\text{e}^- \rightleftharpoons \text{Nb}$	-1,10
$\text{NbO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Nb} + \text{H}_2\text{O}$	-0,73
$\text{Nb}_2\text{O}_5 + 10\text{H}^+ + 10\text{e}^- \rightleftharpoons 2\text{Nb} + 5\text{H}_2\text{O}$	-0,64
$\text{NbO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{NbO} + \text{H}_2\text{O}$	-0,63
Nobelio	
$\text{No}^{3+} + 3\text{e}^- \rightleftharpoons \text{No}$	-2,50
Olmio	
$\text{Ho}^{3+} + 3\text{e}^- \rightleftharpoons \text{Ho}$	-2,32
$\text{Ho}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Ho} + 3\text{H}_2\text{O}$	-1,94
$\text{Ho}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Ho} + 3\text{OH}^-$	-2,77

Oro	
$\text{Au}^+ + \text{e}^- \rightleftharpoons \text{Au}$	+1,69
$\text{Au}^{3+} + 3\text{e}^- \rightleftharpoons \text{Au}$	+1,50
$\text{AuO}_2 + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Au}^{3+} + 2\text{H}_2\text{O}$	+2,51
$2\text{AuO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Au}_2\text{O}_{3(\alpha)} + \text{H}_2\text{O}$	+2,63
$2\text{AuO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Au}_2\text{O}_{3(\beta)} + \text{H}_2\text{O}$	+2,47
$\text{AuO}_2 + \text{H}_2\text{O} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{Au}(\text{OH})_3$	+2,31
$\text{H}_2\text{AuO}_2^- + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Au}^+ + 3\text{H}_2\text{O}$	+1,85
$\text{HAuO}_3^{2-} + 5\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Au}^+ + 3\text{H}_2\text{O}$	+2,24
Osmio	
$\text{H}_2\text{OsO}_5 + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons \text{Os} + 5\text{H}_2\text{O}$	+0,85
$\text{OsO}_4^{2-} + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Os} + 4\text{H}_2\text{O}$	+0,99
$\text{OsO}_{4(\text{s})} + 2\text{e}^- \rightleftharpoons \text{OsO}_4^{2-}$	+0,40
$\text{OsO}_{4(\text{g})} + 2\text{e}^- \rightleftharpoons \text{OsO}_4^{2-}$	+0,46
$\text{OsO}_4^{2-} + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{OsO}_2 + 2\text{H}_2\text{O}$	+1,61
$\text{HOsO}_5^- + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{OsO}_4^{2-} + \text{H}_2\text{O}$	+0,71
$\text{OsO}_5^{2-} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{OsO}_4^{2-} + \text{H}_2\text{O}$	+1,14
$\text{Os}(\text{OH})_4 + 4\text{e}^- \rightleftharpoons \text{Os} + 4\text{OH}^-$	-0,12
Ossigeno	
$\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{O}$	+2,42
$\text{O}_2 + 2\text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons 4\text{OH}^-$	+0,40
$\text{O}_2 + 2\text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons 4\text{OH}^-$ a pH = 7	+0,81
$\text{O}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons 2\text{H}_2\text{O}$	+1,23
$\text{O}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons 2\text{H}_2\text{O}$ a pH = 7	+0,81
$\text{O}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{O}_{2(\text{aq})}$	+0,68
$\text{O}_2 + \text{e}^- \rightleftharpoons \text{O}_2^-$	-0,56
$\text{O}_2 + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{HO}_2^- + \text{OH}^-$	-0,08
$\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 3\text{H}_2\text{O}$	+1,51
$\text{O}_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{O}_2 + \text{H}_2\text{O}$	+2,08
$\text{H}_2\text{O}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{H}_2\text{O}$	+1,78
$\text{O}_3 + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{O}_2 + 2\text{OH}^-$	+1,24
$\text{OH}_{(\text{g})} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{H}_2\text{O}$	+2,85
$\text{HO}_{2(\text{aq})} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{H}_2\text{O}_2$	+1,50
$\text{O}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{O} + \text{H}_2\text{O}$	+0,04
$\text{HO}_2^- + \text{H}_2\text{O} + \text{e}^- \rightleftharpoons \text{OH}_{(\text{aq})} + 2\text{OH}^-$	-0,25
$\text{HO}_2^- + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons 3\text{OH}^-$	+0,88
$\text{H}_2\text{O}_2 + \text{H}^+ + \text{e}^- \rightleftharpoons \text{OH} + \text{H}_2\text{O}$	+0,71
$\text{O}_2^- + \text{H}_2\text{O} + \text{e}^- \rightleftharpoons \text{OH}^- + \text{HO}_2^-$	+0,41
$\text{OH} + \text{e}^- \rightleftharpoons \text{OH}^-$	+2,02
$2\text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{H}_2 + 2\text{OH}^-$	-0,83
$2\text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{H}_2 + 2\text{OH}^-$ a pH = 7	-0,42

Palladio	
$\text{Pd}^{2+} + 2\text{e}^- \rightleftharpoons \text{Pd}$	+0,99
$\text{PdO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pd} + \text{H}_2\text{O}$	+0,92
$\text{PdO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{PdO} + \text{H}_2\text{O}$	+1,26
$\text{Pd}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pd} + 2\text{H}_2\text{O}$	+0,90
$\text{Pd}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Pd} + 2\text{OH}^-$	+0,07
$2\text{Pd} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{Pd}_2\text{H}$	+0,05
$\text{PdO}_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{PdO}_2 + \text{H}_2\text{O}$	+2,03
$\text{PdCl}^+ + \text{e}^- \rightleftharpoons \text{Pd} + \text{Cl}^-$	+0,77
$\text{PdCl}_6^{4-} + 2\text{e}^- \rightleftharpoons \text{Pd} + 6\text{Cl}^-$	+0,62
$\text{PdCl}_4^{2-} + 2\text{e}^- \rightleftharpoons \text{Pd} + 4\text{Cl}^-$	+0,59
$\text{PdCl}_6^{2-} + 2\text{e}^- \rightleftharpoons \text{Pd} + 6\text{Cl}^-$	+0,92
Piombo	
$\text{Pb}^{2+} + 2\text{e}^- \rightleftharpoons \text{Pb}$	-0,13
$\text{Pb}^{4+} + 2\text{e}^- \rightleftharpoons \text{Pb}^{2+}$	+1,67
$\text{PbO} + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{Pb} + 2\text{OH}^-$	-0,58
$\text{PbO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pb} + \text{H}_2\text{O}$	+0,25
$\text{PbO}_2 + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pb}^{2+} + 2\text{H}_2\text{O}$	+1,46
$\text{Pb}_3\text{O}_4 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 3\text{PbO} + \text{H}_2\text{O}$	+0,97
$\text{Pb}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pb} + 2\text{H}_2\text{O}$	+0,28
$\text{HPbO}_2^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pb} + 2\text{H}_2\text{O}$	+0,70
$\text{PbO}_3^{2-} + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HPbO}_2^- + \text{H}_2\text{O}$	+1,55
$\text{Pb}(\text{OH})_3^- (\text{HPbO}_2^- + \text{H}_2\text{O}) + 2\text{e}^- \rightleftharpoons \text{Pb} + 3\text{OH}^-$	-0,54
Platino	
$\text{Pt}^{2+} + 2\text{e}^- \rightleftharpoons \text{Pt}$	+1,19
$\text{PtCl}_4^{2-} + 2\text{e}^- \rightleftharpoons \text{Pt} + 4\text{Cl}^-$	+0,73
$\text{PtBr}_4^{2-} + 2\text{e}^- \rightleftharpoons \text{Pt} + 4\text{Br}^-$	+0,58
$\text{PtI}_4^{2-} + 2\text{e}^- \rightleftharpoons \text{Pt} + 4\text{I}^-$	+0,40
$\text{Pt}(\text{CN})_4^{2-} + 2\text{e}^- \rightleftharpoons \text{Pt} + 4\text{CN}^-$	+0,09
$\text{PtCl}_6^{2-} + 2\text{e}^- \rightleftharpoons \text{PtCl}_4^{2-} + 2\text{Cl}^-$	+0,68
$\text{PtO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pt} + \text{H}_2\text{O}$	+0,98
$\text{PtO}_2 + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pt}^{2+} + 2\text{H}_2\text{O}$	+0,84
$\text{Pt}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Pt} + 2\text{H}_2\text{O}$	+0,98
$\text{Pt}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Pt} + 2\text{OH}^-$	+0,15
$[\text{Pt}(\text{CN})_4\text{Cl}_2]^{2-} + 2\text{e}^- \rightleftharpoons \text{Pt}(\text{CN})_4^{2-} + 2\text{Cl}^-$	+0,89
$\text{PtI}_6^{2-} + 2\text{e}^- \rightleftharpoons \text{PtI}_4^{2-} + 2\text{I}^-$	+0,39

Plutonio	
$\text{Pu}^{3+} + 3\text{e}^- \rightleftharpoons \text{Pu}$	-2,03
$\text{Pu}^{4+} + \text{e}^- \rightleftharpoons \text{Pu}^{3+}$	+0,97
$\text{PuO}_2 + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Pu}^{3+} + 2\text{H}_2\text{O}$	+0,86
$\text{PuO}_2^{2+} + 4\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Pu}^{3+} + 2\text{H}_2\text{O}$	+1,02
$\text{Pu}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Pu} + 3\text{H}_2\text{O}$	-1,59
$\text{Pu}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Pu} + 3\text{OH}^-$	-2,42
$\text{Pu}(\text{OH})_4 + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Pu}^{3+} + 4\text{H}_2\text{O}$	+1,18
$\text{PuO}_2^{2+} + \text{e}^- \rightleftharpoons \text{PuO}_2^+$	+0,93
$\text{PuO}_2\text{OH} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{PuO}_2 + \text{H}_2\text{O}$	+1,91
$\text{PuO}_2(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{PuO}_2 + 2\text{H}_2\text{O}$	+1,49
$\text{Pu}(\text{OH})_4 + \text{e}^- \rightleftharpoons \text{Pu}(\text{OH})_3 + \text{OH}^-$	-0,96
Polonio	
$\text{Po}^{2+} + 2\text{e}^- \rightleftharpoons \text{Po}$	+0,65
$\text{Po}^{3+} + 3\text{e}^- \rightleftharpoons \text{Po}$	+0,56
$\text{Po}^{4+} + 4\text{e}^- \rightleftharpoons \text{Po}$	+0,76
$\text{PoO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Po} + 2\text{H}_2\text{O}$	+0,72
$\text{PoO}_3^{2-} + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Po} + 3\text{H}_2\text{O}$	+0,75
$\text{Po} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{PoH}_2$	-1,00
$\text{PoO}_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{PoO}_2 + \text{H}_2\text{O}$	+1,52
$\text{Po}(\text{Cl})_4^{2-} + 2\text{e}^- \rightleftharpoons \text{Po} + 4\text{Cl}^-$	+0,38
$\text{Po}(\text{Cl})_6^{2-} + 2\text{e}^- \rightleftharpoons \text{Po}(\text{Cl})_4^{2-} + 2\text{Cl}^-$	+0,72
Potassio	
$\text{K}^+ + \text{e}^- \rightleftharpoons \text{K}$	-2,93
$\text{K} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{KH}_{(\text{s})}$	+0,39
$\text{K}^+ + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{KH}_{(\text{s})}$	-1,27
Praseodimio	
$\text{Pr}^{3+} + 3\text{e}^- \rightleftharpoons \text{Pr}$	-2,46
$\text{Pr}^{4+} + \text{e}^- \rightleftharpoons \text{Pr}^{3+}$	+2,86
$\text{Pr}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Pr} + 3\text{H}_2\text{O}$	-2,02
$\text{Pr}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Pr} + 3\text{OH}^-$	-2,85
$\text{Pr}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Pr} + 3\text{H}_2\text{O}$	-1,83
$\text{PrO}_2 + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Pr}^{3+} + 2\text{H}_2\text{O}$	+2,76
Promezio	
$\text{Pm}^{3+} + 3\text{e}^- \rightleftharpoons \text{Pm}$	-2,42
$\text{Pm}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Pm} + 3\text{H}_2\text{O}$	-2,01
$\text{Pm}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Pm} + 3\text{OH}^-$	-2,84
Protoattinio	
$\text{Pa}^{3+} + 3\text{e}^- \rightleftharpoons \text{Pa}$	-1,95
$\text{Pa}^{4+} + \text{e}^- \rightleftharpoons \text{Pa}^{3+}$	-1,70
$\text{PaO}_2^+ + 4\text{H}^+ + 5\text{e}^- \rightleftharpoons \text{Pa} + 2\text{H}_2\text{O}$	-1,00
$\text{PaO}_2 + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Pa}^{3+} + 2\text{H}_2\text{O}$	-0,50

Radio	
$\text{Ra}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ra}$	-2,92
$\text{Ra}^+ + \text{e}^- \rightleftharpoons \text{Ra}$	-3,86
$\text{RaO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ra} + \text{H}_2\text{O}$	-1,32
Rame	
$\text{Cu}^+ + \text{e}^- \rightleftharpoons \text{Cu}$	+0,52
$\text{Cu}^{2+} + 2\text{e}^- \rightleftharpoons \text{Cu}$	+0,34
$\text{CuO} + 2\text{H}^+ + \text{e}^- \rightleftharpoons \text{Cu}^+ + \text{H}_2\text{O}$	+0,62
$\text{CuO}_2^{2-} + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Cu} + 2\text{H}_2\text{O}$	+1,52
$\text{Cu}_2\text{O} + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons 2\text{Cu} + 2\text{OH}^-$	-0,36
$2\text{Cu}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Cu}_2\text{O} + \text{H}_2\text{O} + 2\text{OH}^-$	-0,08
Renio	
$\text{Re} + \text{e}^- \rightleftharpoons \text{Re}^-$	-0,40
$\text{ReO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Re} + 2\text{H}_2\text{O}$	+0,25
$\text{ReO}_2 + 2\text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons \text{Re} + 4\text{OH}^-$	-0,58
$\text{ReO}_4^- + 8\text{H}^+ + 7\text{e}^- \rightleftharpoons \text{Re} + 4\text{H}_2\text{O}$	+0,36
$\text{ReO}_4^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightleftharpoons \text{ReO}_2 + 4\text{OH}^-$	-0,59
$2\text{ReO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Re}_2\text{O}_3 + \text{H}_2\text{O}$	+0,38
$\text{ReO}_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{ReO}_2 + \text{H}_2\text{O}$	+0,39
$\text{ReO}_2 + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{Re}^{3+} + 2\text{H}_2\text{O}$	+0,16
$\text{ReO}_4^{2-} + 8\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Re}^{3+} + 4\text{H}_2\text{O}$	+0,80
$\text{ReO}_4^- + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons \text{Re}^- + 4\text{H}_2\text{O}$	+0,27
Rodio	
$\text{Rh}^+ + \text{e}^- \rightleftharpoons \text{Rh}$	+0,60
$\text{Rh}^{2+} + 2\text{e}^- \rightleftharpoons \text{Rh}$	+0,60
$\text{Rh}^{3+} + 3\text{e}^- \rightleftharpoons \text{Rh}$	+0,80
$\text{Rh}_2\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{Rh} + \text{H}_2\text{O}$	+0,80
$\text{Rh}_2\text{O}_3 + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons 2\text{Rh}^+ + 3\text{H}_2\text{O}$	+0,98
$\text{Rh}_2\text{O}_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{RhO} + \text{H}_2\text{O}$	+0,87
$2\text{RhO}_4^{2-} + 10\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Rh}_2\text{O}_3 + 5\text{H}_2\text{O}$	+2,21
$\text{RhO}_4^{2-} + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{RhO}_2 + 2\text{H}_2\text{O}$	+2,45
Rubidio	
$\text{Rb}^+ + \text{e}^- \rightleftharpoons \text{Rb}$	-2,93
$\text{Rb} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{RbH}$	+0,32
$\text{Rb}^+ + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{RbH}$	-1,30

Rutenio	
$\text{Ru}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ru}$	+0,45
$\text{Ru}^{3+} + \text{e}^- \rightleftharpoons \text{Ru}^{2+}$	+0,25
$\text{Ru}(\text{OH})_4 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Ru} + 4\text{H}_2\text{O}$	+0,68
$\text{Ru}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Ru} + 3\text{H}_2\text{O}$	+0,74
$\text{RuO}_4^{2-} + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{Ru} + 4\text{H}_2\text{O}$	+1,19
$\text{RuO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Ru} + 2\text{H}_2\text{O}$	+0,79
$\text{H}_2\text{RuO}_5 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{RuO}_2 + 3\text{H}_2\text{O}$	+1,40
$\text{RuO}_4^- + 4\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{RuO}_2 + 2\text{H}_2\text{O}$	+1,53
$\text{HRuO}_5^- + \text{H}^+ + \text{e}^- \rightleftharpoons \text{RuO}_4^- + \text{H}_2\text{O}$	+1,66
$\text{RuCl}_5^{2-} + 3\text{e}^- \rightleftharpoons \text{Ru} + 5\text{Cl}^-$	+0,60
Samario	
$\text{Sm}^{3+} + 3\text{e}^- \rightleftharpoons \text{Sm}$	-2,41
$\text{Sm}^{2+} + 2\text{e}^- \rightleftharpoons \text{Sm}$	-3,12
$\text{Sm}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Sm} + 3\text{H}_2\text{O}$	-2,00
$\text{Sm}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Sm} + 3\text{OH}^-$	-2,83
Scandio	
$\text{Sc}^{3+} + 3\text{e}^- \rightleftharpoons \text{Sc}$	-2,08
$\text{Sc}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Sc} + 3\text{OH}^-$	-2,61
$\text{Sc}(\text{OH})_3 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{Sc} + 3\text{H}_2\text{O}$	-1,78
$\text{Sc}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Sc} + 3\text{H}_2\text{O}$	-1,59
$\text{ScOH}^{2+} + 3\text{e}^- \rightleftharpoons \text{Sc} + \text{H}_2\text{O}$	-1,98
Selenio	
$\text{Se} + 2\text{e}^- \rightleftharpoons \text{Se}^{2-}$	-0,92
$\text{Se} + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HSe}^-$	-0,51
$\text{Se} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{Se}_{(\text{aq})}$	-0,40
$\text{Se} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{Se}_{(\text{g})}$	-0,37
$\text{SeO}_3^{2-} + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Se} + 3\text{H}_2\text{O}$	+0,88
$\text{SeO}_3^{2-} + 3\text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons \text{Se} + 6\text{OH}^-$	-0,37
$\text{HSeO}_3^- + 5\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Se} + 3\text{H}_2\text{O}$	+0,79
$\text{H}_2\text{SeO}_3 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Se} + 3\text{H}_2\text{O}$	+0,74
$\text{SeO}_4^{2-} + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HSeO}_3^- + \text{H}_2\text{O}$	+1,08
$\text{SeO}_4^{2-} + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{SeO}_3^{2-} + 2\text{OH}^-$	+0,05
$\text{HSeO}_4^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{SeO}_3 + \text{H}_2\text{O}$	+1,09
Silicio	
$\text{SiO}_2(\text{quarzo}) + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Si} + 2\text{H}_2\text{O}$	-0,86
$\text{H}_2\text{SiO}_3 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Si} + 3\text{H}_2\text{O}$	-0,78
$\text{HSiO}_3^- + 5\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Si} + 3\text{H}_2\text{O}$	-0,63
$\text{SiO}_3^{2-} + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Si} + 3\text{H}_2\text{O}$	-0,46
$\text{SiO}_3^{2-} + 3\text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons \text{Si} + 6\text{OH}^-$	-1,70
$\text{Si} + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{SiH}_{4(\text{g})}$	-0,10
$\text{SiF}_6^{2-} + 4\text{e}^- \rightleftharpoons \text{Si} + 6\text{F}^-$	-1,24

Sodio	
$\text{Na}^+ + \text{e}^- \rightleftharpoons \text{Na}$	-2,71
$\text{Na} + \text{H}^+ + \text{e}^- \rightleftharpoons \text{NaH}_{(\text{s})}$	+0,39
$\text{Na}^+ + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{NaH}_{(\text{s})}$	-1,16
Stagno	
$\text{Sn}^{2+} + 2\text{e}^- \rightleftharpoons \text{Sn}$	-0,14
$\text{Sn}^{4+} + 2\text{e}^- \rightleftharpoons \text{Sn}^{2+}$	+0,15
$\text{SnO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Sn} + \text{H}_2\text{O}$	-0,10
$\text{SnO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Sn} + 2\text{H}_2\text{O}$	-0,11
$\text{Sn}(\text{OH})_4 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Sn} + 4\text{H}_2\text{O}$	-0,01
$\text{Sn}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Sn} + 2\text{H}_2\text{O}$	-0,09
$\text{Sn}(\text{OH})_3^- (\text{HSnO}_2^- + \text{H}_2\text{O}) + 2\text{e}^- \rightleftharpoons \text{Sn} + 3\text{OH}^-$	-0,91
$\text{HSnO}_2^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Sn} + 2\text{H}_2\text{O}$	+0,33
$\text{SnO}_3^{2-} + 6\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Sn}^{2+} + 3\text{H}_2\text{O}$	+0,84
$\text{SnF}_6^{2-} + 4\text{e}^- \rightleftharpoons \text{Sn} + 6\text{F}^-$	-1,51
$\text{Sn}(\text{OH})_6^{2-} + 2\text{e}^- \rightleftharpoons \text{HSnO}_2^- + \text{H}_2\text{O} + 3\text{OH}^-$	-0,93
Stronzio	
$\text{Sr}^{2+} + 2\text{e}^- \rightleftharpoons \text{Sr}$	-2,89
$\text{Sr}(\text{OH})_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Sr} + 2\text{H}_2\text{O}$	-2,05
$\text{Sr}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Sr} + 2\text{OH}^-$	-2,88
$\text{Sr} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{SrH}_2$	+0,72
$\text{Sr}^{2+} + 2\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{SrH}_2$	-1,09
$\text{SrO} + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{SrH}_2 + \text{H}_2\text{O}$	-0,48
$\text{SrO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{SrO} + \text{H}_2\text{O}$	+1,12
$\text{SrO}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Sr}(\text{OH})_2$	-1,49
$\text{SrOH}^+ + 2\text{e}^- \rightleftharpoons \text{Sr} + \text{OH}^-$	-2,91
Tallio	
$\text{Tl}^+ + \text{e}^- \rightleftharpoons \text{Tl}$	-0,34
$\text{Tl}^{3+} + 2\text{e}^- \rightleftharpoons \text{Tl}^+$	+1,25
$\text{Tl}_2\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{Tl} + \text{H}_2\text{O}$	+0,51
$\text{Tl}_2\text{O}_3 + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons 2\text{Tl}^+ + 3\text{H}_2\text{O}$	+1,33
$\text{Tl}(\text{OH})_3 + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Tl}^+ + 3\text{H}_2\text{O}$	+1,19
$\text{Tl}(\text{OH})_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{TlOH} + 2\text{H}_2\text{O}$	+0,78
$\text{Tl}(\text{OH})_3 + 2\text{e}^- \rightleftharpoons \text{TlOH} + 2\text{OH}^-$	-0,05
$\text{TlOH} + \text{e}^- \rightleftharpoons \text{Tl} + \text{OH}^-$	+0,34
Tantalio	
$\text{Ta}_2\text{O}_5 + 10\text{H}^+ + 10\text{e}^- \rightleftharpoons 2\text{Ta} + 5\text{H}_2\text{O}$	-0,81
Tecnezio	
$\text{Tc}^{2+} + 2\text{e}^- \rightleftharpoons \text{Tc}$	+0,40
$\text{TcO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Tc} + 2\text{H}_2\text{O}$	+0,27
$\text{HTcO}_4 + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{TcO}_2 + 2\text{H}_2\text{O}$	+0,74
$\text{TcO}_4^- + 8\text{H}^+ + 7\text{e}^- \rightleftharpoons \text{Tc} + 4\text{H}_2\text{O}$	+0,47

$\text{HTcO}_4 + \text{H}^+ + \text{e}^- \rightleftharpoons \text{TcO}_3 + \text{H}_2\text{O}$	+0,71
Tellurio	
$\text{Te} + 2\text{e}^- \rightleftharpoons \text{Te}^{2-}$	-1,14
$\text{Te}^{4+} + 4\text{e}^- \rightleftharpoons \text{Te}$	+0,57
$\text{Te} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{Te}_{(\text{g})}$	-0,72
$2\text{Te} + 2\text{e}^- \rightleftharpoons \text{Te}_2^{2-}$	-0,79
$\text{Te} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{Te}_{(\text{aq})}$	-0,74
$\text{Te}_2^{2-} + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{H}_2\text{Te}_{(\text{g})}$	-0,60
$\text{Te}_2 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{Te}_{2(\text{g})}$	-0,37
$\text{Te}_2^{2-} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{HTe}^-$	-0,80
$\text{TeO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Te} + 2\text{H}_2\text{O}$	+0,53
$\text{H}_2\text{TeO}_4 + 8\text{H}^+ + 8\text{e}^- \rightleftharpoons \text{H}_2\text{Te}_{(\text{aq})} + 4\text{H}_2\text{O}$	+0,33
$\text{TeO}_3^{2-} + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Te} + 3\text{H}_2\text{O}$	+0,83
$\text{HTeO}_4^- + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{TeO}_3^{2-} + \text{H}_2\text{O}$	+0,58
$\text{TeO}_4^{2-} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{TeO}_3^{2-} + \text{H}_2\text{O}$	+0,89
$\text{HTeO}_3^- + 5\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Te} + 3\text{H}_2\text{O}$	+0,71
Terbio	
$\text{Tb}^{3+} + 3\text{e}^- \rightleftharpoons \text{Tb}$	-2,39
$\text{Tb}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Tb} + 3\text{H}_2\text{O}$	-2,00
$\text{Tb}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Tb} + 3\text{OH}^-$	-2,79
Titanio	
$\text{Ti}^{2+} + 2\text{e}^- \rightleftharpoons \text{Ti}$	-1,63
$\text{Ti}^{3+} + 2\text{e}^- \rightleftharpoons \text{Ti}^{2+}$	-0,37
$\text{Ti}^{4+} + \text{e}^- \rightleftharpoons \text{Ti}^{3+}$	+0,00
$\text{TiO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ti} + \text{H}_2\text{O}$	-1,31
$\text{Ti}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Ti} + 3\text{H}_2\text{O}$	-1,25
$\text{TiO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Ti} + 2\text{H}_2\text{O}$	-1,07
$2\text{Ti}_3\text{O}_5 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 3\text{Ti}_2\text{O}_3 + \text{H}_2\text{O}$	-0,49
$\text{Ti}_3\text{O}_5 + 4\text{H}_2\text{O} + \text{H}^+ + \text{e}^- \rightleftharpoons 3\text{Ti}(\text{OH})_3$	-1,18
$\text{HTiO}_3^- + 5\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Ti}^{2+} + 3\text{H}_2\text{O}$	+0,36
Torio	
$\text{Th}^{4+} + 4\text{e}^- \rightleftharpoons \text{Th}$	-1,90
$\text{ThO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Th} + 2\text{H}_2\text{O}$	-1,79
$\text{Th}(\text{OH})_4 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Th} + 4\text{H}_2\text{O}$	-1,65
$\text{Th}(\text{OH})_4 + 4\text{e}^- \rightleftharpoons \text{Th} + 4\text{OH}^-$	-2,48
Tulio	
$\text{Tm}^{3+} + 3\text{e}^- \rightleftharpoons \text{Tm}$	-2,28
$\text{Tm}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{Tm} + 3\text{H}_2\text{O}$	-1,91
$\text{Tm}(\text{OH})_3 + 3\text{e}^- \rightleftharpoons \text{Tm} + 3\text{OH}^-$	-2,74
Tungsteno (Wolframio)	
$\text{WO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{W} + 2\text{H}_2\text{O}$	-0,02
$\text{WO}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{W} + 3\text{H}_2\text{O}$	-0,09

$2\text{WO}_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{W}_2\text{O}_5 + \text{H}_2\text{O}$	-0,03
$\text{WO}_4^{2-} + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{W} + 4\text{H}_2\text{O}$	+0,05
Uranio	
$\text{U}^{3+} + 3\text{e}^- \rightleftharpoons \text{U}$	-1,80
$\text{U}^{4+} + \text{e}^- \rightleftharpoons \text{U}^{3+}$	-0,61
$\text{UO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{U} + \text{H}_2\text{O}$	-1,44
$\text{UO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{U} + 2\text{H}_2\text{O}$	-1,44
$\text{U}(\text{OH})_4 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{U} + 4\text{H}_2\text{O}$	-1,35
$\text{UO}_3 + \text{H}_2\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{U}(\text{OH})_4$	+0,48
$\text{U} + 3\text{H}^+ + 3\text{e}^- \rightleftharpoons \text{UH}_3$	+0,26
$\text{UO}_2^{2+} + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{U}^{4+} + 2\text{H}_2\text{O}$	+0,33
$\text{UO}^{2+} + 4\text{H}^+ + \text{e}^- \rightleftharpoons \text{U}^{4+} + 2\text{H}_2\text{O}$	+0,61
$\text{U}_2\text{O}_3 + 6\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{U} + 3\text{H}_2\text{O}$	-1,35
$\text{U}_3\text{O}_8 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons 3\text{UO}_2 + 2\text{H}_2\text{O}$	+0,53
$\text{UO}_4^{2-} + 4\text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{U}(\text{OH})_4 + 4\text{OH}^-$	-1,62
$\text{UO}_3 \cdot \text{H}_2\text{O} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{U}(\text{OH})_4$	+0,19
$\text{UO}_3 \cdot \text{H}_2\text{O} = \text{H}_2\text{UO}_4 = \text{UO}_2(\text{OH})_2$	
Vanadio	
$\text{V}^{2+} + 2\text{e}^- \rightleftharpoons \text{V}$	-1,19
$\text{V}^{3+} + \text{e}^- \rightleftharpoons \text{V}^{2+}$	-0,26
$\text{V}_2\text{O}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons 2\text{V} + 2\text{H}_2\text{O}$	-0,82
$\text{VO}^{2+} + 2\text{H}^+ + \text{e}^- \rightleftharpoons \text{V}^{3+} + \text{H}_2\text{O}$	+0,36
$\text{V}(\text{OH})^{4+} + 2\text{H}^+ + \text{e}^- \rightleftharpoons \text{VO}^{2+} + 3\text{H}_2\text{O}$	+1,00
$\text{V}_2\text{O}_3 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{V}_2\text{O}_2 + \text{H}_2\text{O}$	-0,55
$\text{V}_2\text{O}_4 + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{V}_2\text{O}_3 + \text{H}_2\text{O}$	+0,21
$\text{V}_2\text{O}_5 + 6\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{VO}^{2+} + 3\text{H}_2\text{O}$	+0,96
$\text{VO}_2^+ + 2\text{H}^+ + \text{e}^- \rightleftharpoons \text{VO}^{2+} + \text{H}_2\text{O}$	+0,99
$\text{VO}^{2+} + \text{e}^- \rightleftharpoons \text{VO}^+$	-0,04
$\text{HV}_2\text{O}_5^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{V}_2\text{O}_3 + 2\text{H}_2\text{O}$	+0,52
$2\text{H}_2\text{VO}_4^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HV}_2\text{O}_5^- + 3\text{H}_2\text{O}$	+0,72
$2\text{HVO}_4^{2-} + 5\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HV}_2\text{O}_5^- + 3\text{H}_2\text{O}$	+1,28
$2\text{VO}_4^{3-} + 7\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HV}_2\text{O}_5^- + 3\text{H}_2\text{O}$	+1,96
$\text{H}_3\text{V}_2\text{O}_7^- + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HV}_2\text{O}_5^- + 2\text{H}_2\text{O}$	+0,50
$\text{HV}_6\text{O}_{17}^{3-} + 16\text{H}_2\text{O} + 30\text{e}^- \rightleftharpoons 6\text{V} + 33\text{OH}^-$	-1,15
Zinco	
$\text{Zn}^{2+} + 2\text{e}^- \rightleftharpoons \text{Zn}$	-0,76
$\text{ZnO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Zn} + \text{H}_2\text{O}$	-0,44
$\text{Zn}(\text{OH})_2 + 2\text{e}^- \rightleftharpoons \text{Zn} + 2\text{OH}^-$	-1,25
$\text{Zn}(\text{OH})_4^{2-} (\text{ZnO}_2^{2-} + 2\text{H}_2\text{O}) + 2\text{e}^- \rightleftharpoons \text{Zn} + 4\text{OH}^-$	-1,21
$\text{ZnO}_2^{2-} + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Zn} + 2\text{H}_2\text{O}$	+0,44
$\text{HZnO}_2^- + 3\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{Zn} + 2\text{H}_2\text{O}$	+0,05
$\text{Zn}(\text{OH})_3^- + 2\text{e}^- \rightleftharpoons \text{Zn} + 2\text{OH}^-$	-1,18

Zirconio	
$\text{Zr}^{4+} + 4\text{e}^- \rightleftharpoons \text{Zr}$	-1,53
$\text{ZrO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Zr} + 2\text{H}_2\text{O}$	-1,46
$\text{ZrO}^{2+} + 4\text{e}^- \rightleftharpoons \text{Zr} + \text{H}_2\text{O}$	-1,57
$\text{Zr}(\text{OH})_4 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Zr} + 4\text{H}_2\text{O}$	-1,55
$\text{ZrO}(\text{OH})_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Zr} + 3\text{H}_2\text{O}$	-1,55
$\text{H}_2\text{ZrO}_3 + \text{H}_2\text{O} + 4\text{e}^- \rightleftharpoons \text{Zr} + 4\text{OH}^-$	-2,36
$\text{HZrO}_3^- + 5\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{Zr} + 3\text{H}_2\text{O}$	-1,28
Zolfo	
$\text{S} + \text{H}^+ + 2\text{e}^- \rightleftharpoons \text{HS}^-$	-0,07
$\text{S} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{S}_{(\text{aq})}$	+0,14
$\text{S} + 2\text{e}^- \rightleftharpoons \text{S}^{2-}$	-0,48
$\text{SO}_4^{2-} + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{S} + 4\text{H}_2\text{O}$	+0,36
$\text{HSO}_4^- + 7\text{H}^+ + 6\text{e}^- \rightleftharpoons \text{S} + 4\text{H}_2\text{O}$	+0,34
$\text{SO}_4^{2-} + 4\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{H}_2\text{SO}_3 + \text{H}_2\text{O}$	+0,17
$\text{S}_2\text{O}_6^{2-} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons 2\text{HSO}_3^-$	+0,46
$\text{H}_2\text{SO}_3 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{S} + 3\text{H}_2\text{O}$	+0,45
$\text{SO}_2 + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{S} + 2\text{H}_2\text{O}$	+0,45
$\text{S}_4\text{O}_6^{2-} + 12\text{H}^+ + 10\text{e}^- \rightleftharpoons 4\text{S} + 6\text{H}_2\text{O}$	+0,42
$\text{S}_2\text{O}_3^{2-} + 6\text{H}^+ + 4\text{e}^- \rightleftharpoons 2\text{S} + 3\text{H}_2\text{O}$	+0,46
$\text{S}_2\text{O}_6^{2-} + 12\text{H}^+ + 10\text{e}^- \rightleftharpoons 2\text{S} + 6\text{H}_2\text{O}$	+0,47
$\text{S}_2\text{O}_4^{2-} + 8\text{H}^+ + 6\text{e}^- \rightleftharpoons 2\text{S} + 4\text{H}_2\text{O}$	+0,64
$\text{S}_2\text{O}_8^{2-} + 2\text{e}^- \rightleftharpoons 2\text{SO}_4^{2-}$	+2,01
$\text{SO}_4^{2-} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{SO}_3^{2-} + \text{H}_2\text{O}$	-0,09
$\text{SO}_4^{2-} + \text{H}_2\text{O} + 2\text{e}^- \rightleftharpoons \text{SO}_3^{2-} + 2\text{OH}^-$	-0,90
$2\text{S} + 2\text{e}^- \rightleftharpoons \text{S}_2^{2-}$	-0,43
$3\text{S} + 2\text{e}^- \rightleftharpoons \text{S}_3^{2-}$	-0,39
$4\text{S} + 2\text{e}^- \rightleftharpoons \text{S}_4^{2-}$	-0,36
$5\text{S} + 2\text{e}^- \rightleftharpoons \text{S}_5^{2-}$	-0,34
$\text{SO} + 2\text{H}^+ + 2\text{e}^- \rightleftharpoons \text{S} + \text{H}_2\text{O}$	+1,51
$2\text{HSO}_3^- + 4\text{H}^+ + 4\text{e}^- \rightleftharpoons \text{S}_2\text{O}_3^{2-} + 3\text{H}_2\text{O}$	+0,49