

La tabella elenca per una serie di sostanze a 298° K e 1 atm : le entalpie standard di formazione (H°_f), le energie libere di formazione (G°_f) e le entropie standard (S°_f). È da notare che le entropie della fase soluzione non sono entropie assolute ma sono misurate rispetto allo standard arbitrario $S^\circ[H^+_{(aq)}] = 0$. Questo è il motivo per cui alcune di esse sono negative.

SostanzeInorganiche (mettere spazi prima di H₂O)

Alluminio	G°_f	H°_f	S°_f
Al _(s)	0	0	28.3
AlCl _{3(s)}	-630.1	-705.6	109.3
AlF _{3(s)}	-1425	-1504	66.48
Al(OH) _{3(s)}	-	-1276	-
Al ³⁺ _(aq)	-485	-531	-321.7
Al ₂ Cl _{6(g)}	-1221	-1291	490
Al ₂ O _{3 (alfa solido)}	-1582	-1676	50.92
Al ₂ (SO ₄) _{3(s)}	-3100	-3441	239
Antimonio	G°_f	H°_f	S°_f
Sb _(s)	0	0	45.69
Sb _(g)	222.1	262.3	180.16
Argento	G°_f	H°_f	S°_f
Ag _(s)	0	0	42.55
AgBr _(s)	-96.90	-100.4	107
AgI _(s)	-66.19	-61.84	115
Ag ₂ O _(s)	-11.2	-31.0	121
[Ag(NH ₃) ₂] ⁺ _(aq)	-17.12	-111.29	245.2
Ag ⁺ _(aq)	77.12	105.6	72.68
AgCl _(s)	-109.8	-127.1	96.2
AgNO _{3(s)}	-33.5	-124.4	140.9
Ag ₂ SO _{4(s)}	-618.5	-715.9	200.4
Argo	G°_f	H°_f	S°_f
Ar _(g)	0	0	154.73
Arsenico	G°_f	H°_f	S°_f
As _(s, grigio)	0	0	35.1
As _{2(g)}	171.9	222.2	239.3
AsH _{3(s)}	68.91	66.44	222.67
As _(g)	261.0	302.5	174.10
As _{4(g)}	92.4	143.9	314
As ₄ O _{6(s)}	-1152.53	-1313.94	214.2
Azoto	G°_f	H°_f	S°_f
N _(g)	455.6	472.7	153.2
NF _{3(g)}	-83.2	-124.7	260.7

NH _{3(aq)}	-26.57	-80.29	111.3
NH ₄ Br _(s)	-175	-270.8	113.0
NH ₄ F _(s)	-348.8	-464.0	71.96
NH ₄ I _(s)	-113	-201.4	117
NH ₄ NO _{3(aq)}	-190.7	-339.9	259.8
N ₂ H _{4(g)}	159.3	95.40	238.4
NO _(g)	86.57	90.25	210.6
NO _{2(g)}	51.30	33.18	240.0
N ₂ O _{4(l)}	97.40	-19.6	209.2
NO ₃ ⁻ _(aq)	-108.7	-205.0	146
NOBr _(g)	82.4	82.17	273.5
HNO _{2(g)}	-80.76	-174.10	155.49
HNO _{3(aq)}	-113.3	-207.4	146.4
N _{2(g)}	0	0	191.5
NH _{3(g)}	-16.48	-46.11	192.3
NH ₄ ⁺ _(aq)	-79.37	-132.5	113.4
NH ₄ Cl _(s)	-203.0	-314.4	94.56
NH ₄ HCO _{3(s)}	-666.1	-849.4	121
NH ₄ NO _{3(s)}	-184.0	-365.6	151.1
(NH ₄) ₂ SO _{4(s)}	-901.9	-1181	220.1
N ₂ H _{4(l)}	149.2	50.63	121.2
N ₂ O _(g)	104.2	82.05	219.7
N ₂ O _{4(g)}	97.82	9.16	304.2
N ₂ O _{5(g)}	115.1	11.3	355.7
NO ₂ ⁻ _(aq)	-32.2	-104.6	123.0
NOCl _(g)	66.07	51.71	261.6
HNO _{3(l)}	-79.91	-173.2	155.6
Bario	G°_f	H°_f	S°_f
Ba _(s)	0	0	62.3
BaCO _{3(s)}	-1138	-1216	112
BaF _{2(s)}	-1159	-1209	96.40
Ba(OH) _{2(s)}	-859.4	-946.0	107
BaSO _{4(s)}	-1362	-1473	132
Ba ²⁺ _(aq)	-560.7	-537.6	9.6
BaCl _{2(s)}	-810.4	-858.1	123.7
BaO _(s)	-520.4	-548.1	72.09
Ba(OH) ₂ • 8 H ₂ O _(s)	-2793	-3342	427

Berillio	G° _f	H° _f	S° _f
Be _(s)	0	0	9.54
BeCl _{2 (s)}	−449.5	−496.2	75.81
BeO _(s)	−579.1	−608.4	13.77
Be _(g)	286.6	324.3	136.16
BeF _{2 (s)}	−979.5	−1027	53.35
Bismuto	G° _f	H° _f	S° _f
Bi _(s)	0	0	56.74
Bi ₂ (O _{3 (s)})	−493.7	−573.9	151
BiCl _{3 (s)}	−315	−379	177
Boro	G° _f	H° _f	S° _f
B _(s)	0	0	5.86
BF _{3 (g)}	−1120.3	−1137	254.0
B ₂ O _{3 (s)}	−1194	−1273	53.97
H ₃ BO _{3 (s)}	−969.02	−1094.33	88.83
BF ₄ [−] _(aq)	−1486.9	−1574.9	180
BCl _{3 (l)}	−387	−427.2	206
B ₂ H _{6 (g)}	86.6	36	232.0
B ₅ H _{9 (g)}	174.9	73.2	275.81
BBr _{3 (g)}	−232.47	−205.64	324.13
Bromo	G° _f	H° _f	S° _f
Br _(g)	82.43	111.9	174.9
Br _{2 (g)}	3.14	30.91	245.4
BrCl _(g)	−0.96	14.6	240.0
BrF _{3 (l)}	−240.6	−300.8	178.2
BrO ₃ [−] _(aq)	18.60	−67.07	161.71
Br [−] _(aq)	−104.0	121.5	82.4
Br _{2 (l)}	0	0	152.2
BrF _{3 (g)}	−229.5	−255.6	292.4
HBr _(g)	−53.43	−36.40	198.6
Cadmio	G° _f	H° _f	S° _f
Cd _(s)	0	0	51.76
CdCl _{2 (s)}	−344.0	−391.5	115.3
Cd ²⁺ _(aq)	−77.58	−75.90	73.2
CdO _(s)	−228	−258	54.8
Calcio	G° _f	H° _f	S° _f
Ca _(s)	0	0	41.4
Ca ²⁺ _(aq)	−553.5	−542.8	53.1
CaCl _{2 (s)}	−748.1	−795.8	105

CaBr _{2 (s)}	−663.6	−682.8	130
CaH _{2 (s)}	−147	−186	42
CaO _(s)	−604.0	−635.1	39.75
Ca(OH) _{2 (s)}	−898.6	−986.1	83.39
CaSO _{4 (s)}	−1322	−1434	106.7
Ca _(g)	144.33	178.2	154.77
CaCO _{3 (s)}	−1128	−1207	88.70
CaF _{2 (s)}	−1167	−1220	68.87
CaI _{2 (s)}	−528.9	−533.5	142
Ca(NO ₃) _{2 (s)}	−743.2	−938.4	193
CaS _(s)	−477.4	−482.4	56.5
Ca ₂ (PO ₄) _{2 (s)}	−3885	−4121	236
CaSiO _{3 (s)}	−1549.66	−1634.94	81.92
Carbonio	G° _f	H° _f	S° _f
C _(g)	671.3	716.7	158.0
C _(grafite)	0	0	5.74
CCl _{4 (l)}	−65.27	−135.4	216.2
CO _(g)	−137.2	−110.5	197.6
CO ₃ ^{2−} _(aq)	−527.9	−677.1	56.9
C ₃ O _{2 (l)}	−105.0	−117.3	181.1
COS _(g)	−165.6	−138.4	231.5
CS _{2 (g)}	67.15	117.36	237.73
CBr _{4 (s)}	47.7	18.8	212.5
CH ₃ I _(l)	13.4	−15.5	163.2
HCN _(g)	125	135	201.7
C _(diamante)	2.90	1.90	2.38
CCl _{4 (g)}	−60.63	−102.9	309.7
C ₂ N _{2 (g)}	297.2	308.9	242.3
CO _{2 (g)}	−394.4	−393.5	213.6
C ₃ O _{2 (g)}	−109.8	−93.72	276.4
COCl _{2 (g)}	−206.8	−220.9	283.8
CS _{2 (l)}	65.27	89.70	151.3
CHCl _{3 (g)}	−70.37	−103.14	295.60
CF _{4 (l)}	−879	−925	261.50
CH ₂ Cl _{2 (l)}	−65.90	−92.47	270.12
HCN _(aq)	119.7	107.1	124.7
Cesio	G° _f	H° _f	S° _f
Cs _(s)	0	0	85.23
Cs ⁺ _(aq)	−292.02	−258.28	133.05
CsCl _(s)	−414.55	−443.04	101.17
CsI	−340.58	−346.60	123.05
Cs _(g)	49.15	76.06	175.49

CsF _(s)	−525.5	−553.5	92.80
CsBr _(s)	−391.41	−405.81	113.05
Cloro	G° _f	H° _f	S° _f
Cl _(g)	105.7	121.7	165.1
Cl _{2(g)}	0	0	223.0
ClO _{2(g)}	120.3	103	256.8
HCl _(g)	−95.30	−92.31	186.8
ClO [−] _(aq)	−36.8	−107.1	42
ClO ₃ [−] _(aq)	−7.95	−103.97	162.3
HClO _(aq)	−79.9	−120.9	142
Cl [−] _(aq)	−132.3	−167.2	56.5
ClF _{3(g)}	−123.0	−163.2	281.5
Cl ₂ O _(g)	97.49	80.33	267.9
HCl _(aq)	−131.3	−167.2	56.48
ClO ₂ [−] _(aq)	17.2	−66.5	101.3
ClO ₄ [−] _(aq)	−8.52	−129.33	182.0
ClF _{3(g)}	−123.0	−163.2	281.5
Cobalto	G° _f	H° _f	S° _f
Co _(s)	0	0	30.0
Co ²⁺ _(aq)	−54.4	−58.2	−113
CoO _(s)	−214.2	−237.9	52.97
Co(OH) _{2(s, rosa)}	−454.4	−539.7	79
Co _(g)	380.3	424.7	179.41
Co ³⁺ _(aq)	134	92	−305
CoCl _{2(s)}	−269.8	−312.5	109.16
Cromo	G° _f	H° _f	S° _f
Cr _(s)	0	0	23.66
Cr ₂ (O _{3(s)})	−1053	−1135	81.17
Cr ₂ O ₇ ^{2−} _(aq)	−1301	−1490	261.9
[Cr(H ₂ O) ₆] ³⁺ _(aq)	−	−1999	−
CrO ₄ ^{2−} _(aq)	−727.8	−881.2	50.21
Elio	G° _f	H° _f	S° _f
He _(g)	0	0	126.0
Ferro	G° _f	H° _f	S° _f
Fe _(s)	0	0	27.28
Fe ²⁺ _(aq)	−78.87	−89.1	−137.7
FeCO _{3(s)}	−666.7	−740.6	92.88
FeO _(s)	−251.5	−272	60.75
Fe ₃ O _{4(s)}	−1015	−1118	146

FeS _(s)	−100.4	−100.0	60.29
[Fe(CN) ₆] ^{4−} _(aq)	695.1	455.6	95.0
Fe _(g)	370.7	416.3	180.38
Fe ³⁺ _(aq)	−4.6	−48.5	−316
FeCl _{3(s)}	−334.1	−399.5	142.3
Fe ₂ O _{3(s)}	−742.2	−824.2	87.40
Fe(OH) _{3(s)}	−696.6	−823.0	107
[Fe(CN) ₆] ^{3−} _(aq)	729.4	561.9	270.3
Fluoro	G° _f	H° _f	S° _f
F _(g)	61.92	78.99	158.7
F _{2(g)}	0	0	202.7
HF _(aq)	−296.82	−320.08	88.7
F [−] _(aq)	−278.8	−332.6	14
HF _(g)	−273.2	−271.1	173.7
XeF _{4(s)}	−	−261.5	−
Fosforo	G° _f	H° _f	S° _f
P _(alfa bianco)	0	0	41.1
P _{4(g)}	24.5	58.9	279.9
PCl _{5(g)}	−305.0	−374.9	364.5
P ₄ O _{10(s)}	−2698	−2984	228.9
H ₃ PO _{4(aq)}	−1142.54	−1288.34	158.2
HPO ₄ ^{2−} _(aq)	−1089.15	−1292.14	−33.5
P _(rosso)	−12.1	−17.6	22.8
PCl _{3(g)}	−267.8	−287.0	311.7
PH _{3(g)}	13.4	5.4	210.1
H ₃ PO _{4(s)}	−1119.2	−1279.0	110.50
H ₂ PO ₄ [−] _(aq)	−1130.28	−1296.29	90.4
PO ₄ ^{3−} _(aq)	−1019	−1277	222
Gallio	G° _f	H° _f	S° _f
Ga _(s)	0	0	40.88
Ga _(g)	238.9	277.0	168.95
Germanio	G° _f	H° _f	S° _f
Ge _(s)	0	0	31.09
Ge _(g)	167.79	376.6	335.9
Kripto	G° _f	H° _f	S° _f
Kr _(g)	0	0	1163.97
Idrogeno	G° _f	H° _f	S° _f
H _(g)	203.3	218.0	114.6

H_2 <i>(g)</i>	0	0	130.6
H_2O <i>(l)</i>	−237.2	−285.8	69.91
H_2O_2 <i>(l)</i>	−120.4	−187.8	110
HI <i>(aq)</i>	0	0	0
H_2O <i>(g)</i>	−228.6	−41.8	188.7
H_2O_2 <i>(g)</i>	−105.5	−136.1	232.9
Iodio	G°_f	H°_f	S°_f
I <i>(g)</i>	70.28	106.8	180.7
I_2 <i>(g)</i>	19.36	62.44	260.6
I_3 <i>(aq)</i>	−51.4	−51.5	239.3
ICl <i>(g)</i>	−5.44	17.78	247.4
HI <i>(g)</i>	1.72	26.48	206.5
I^- <i>(aq)</i>	−51.57	−55.19	111.3
I_2 <i>(s)</i>	0	0	116.1
Ibr <i>(g)</i>	3.72	40.84	258.7
ICl <i>(l)</i>	−13.60	−23.89	135.1
Litio	G°_f	H°_f	S°_f
Li <i>(s)</i>	0	0	29.12
Li^+ <i>(aq)</i>	−293.31	−278.49	13.4
LiCl <i>(s)</i>	−384.4	−408.6	59.33
LiI <i>(s)</i>	−270.29	−270.41	86.78
Li_2O <i>(s)</i>	−561.20	−597.94	37.57
LiNO_3 <i>(s)</i>	−381.1	−483.1	90.0
Li <i>(g)</i>	126.69	159.37	138.66
LiF <i>(s)</i>	−587.73	−615.97	35.65
LiBr <i>(s)</i>	−342.00	−351.21	74.27
LiH <i>(s)</i>	−68.37	−90.54	20.01
LiOH <i>(s)</i>	−439.0	−484.9	42.80
Magnesio	G°_f	H°_f	S°_f
Mg <i>(s)</i>	0	0	32.69
MgCl_2 <i>(s)</i>	−591.8	−641.3	89.62
MgF_2 <i>(s)</i>	−1071	−1124	57.24
Mg(OH)_2 <i>(s)</i>	−833.9	−924.7	63.18
Mg^{2+} <i>(aq)</i>	−454.8	−466.9	138
MgCO_3 <i>(s)</i>	−1012	−1096	65.7
MgO <i>(s)</i>	−569.4	−601.7	26.94
MgSO_4 <i>(s)</i>	−1171	−1285	91.6
Manganese	G°_f	H°_f	S°_f
Mn <i>(s)</i>	0	0	32.0
Mn^{2+} <i>(aq)</i>	−228	−220.7	73.6

MnO_2 <i>(s)</i>	−465.2	−520.0	53.05
Mn <i>(g)</i>	173.59	280.7	238.5
MnO <i>(s)</i>	−362.92	−385.22	59.71
MnO_4^- <i>(aq)</i>	−447.3	−541.4	191
Mercurio	G°_f	H°_f	S°_f
Hg <i>(g)</i>	31.85	61.32	174.9
HgO <i>(s)</i>	−58.56	−90.83	70.29
Hg_2Cl_2 <i>(s)</i>	−210.78	−265.22	192.5
Hg <i>(l)</i>	0	0	76.02
HgCl_2 <i>(s)</i>	−178.6	−224.3	146.0
Neon	G°_f	H°_f	S°_f
Ne <i>(g)</i>	0	0	146.22
Nichel	G°_f	H°_f	S°_f
Ni <i>(s)</i>	0	0	29.87
Ni^{2+} <i>(aq)</i>	−45.6	−54.0	−128.9
Ni <i>(g)</i>	384.5	429.7	182.08
NiO <i>(s)</i>	−211.7	−239.7	37.99
Ossigeno	G°_f	H°_f	S°_f
O <i>(g)</i>	231.7	249.2	160.9
O_3 <i>(g)</i>	163.2	142.7	238.8
OF_2 <i>(g)</i>	41.8	24.5	247.3
O_2 <i>(g)</i>	0	0	205.0
OH^- <i>(aq)</i>	−157.3	−230.0	10.8
Piombo	G°_f	H°_f	S°_f
Pb <i>(s)</i>	0	0	64.81
PbI_2 <i>(s)</i>	−173.6	−175.5	174.8
PbSO_4 <i>(s)</i>	−813.2	−919.9	148.6
PbO <i>(s, rosso)</i>	−188.95	−218.99	66.5
Pb^{2+} <i>(aq)</i>	−24.4	−2	11
PbO_2 <i>(s)</i>	−217.4	−277	68.6
PbO <i>(s, giallo)</i>	−187.91	−217.32	68.70
PbS <i>(s)</i>	−98.7	−100.4	91.2
Platino	G°_f	H°_f	S°_f
Pt <i>(s)</i>	0	0	41.63
PtCl_6^{2-} <i>(aq)</i>	−482.7	−668.2	219.7
Pt <i>(g)</i>	520.5	565.3	192.30
Potassio	G°_f	H°_f	S°_f

K _(g)	60.63	89.24	160.2
K _(s)	0	0	64.18
KBr _(s)	−380.7	−393.8	95.90
KCl _(s)	−409.2	−436.7	82.59
KClO _{4 (s)}	−303.2	−432.8	151.0
KI _(s)	−324.9	−327.9	106.3
KOH _(s)	−379.1	−424.8	78.87
KOH _(s)	−379.1	−424.8	78.87
K ₂ SO _{4 (s)}	−1321	−1438	175.6
K ₂ O _{2 (s)}	−425.1	−494.1	102.1
K ₂ CrO _{4 (s)}	−195.8	−1403.7	200.12
K _(l)	0.26	2.28	71.46
K ⁺ _(aq)	−283.3	−252.4	102.5
KCN _(s)	−101.9	−113	128.5
KClO _{3 (s)}	−296.3	−397.7	143
KF _(s)	−537.8	−567.3	66.57
KNO _{3 (s)}	−394.9	−494.6	133.1
KNO _{3 (s)}	−394.9	−494.6	133.1
KOH _(aq)	−440.5	−482.4	91.63
KO _{2 (s)}	−239.4	−284.93	116.7
KMnO _{4 (s)}	−737.7	−837.2	171.71
K ₂ Cr ₂ O _{7 (s)}	−1881.9	−2061.5	291.2
Rame	G° _f	H° _f	S° _f
Cu _(s)	0	0	33.15
Cu ²⁺ _(aq)	65.52	64.77	−99.6
Cu ₂ O _(s)	−146.0	−168.6	93.14
CuCl _(s)	−119.88	−137.2	86.2
Cu(OH) _{2 (s)}	−373	−450.2	108
CuSO _{4 • 5 H₂O (s)}	−1880.1	−2279.6	300.4
Cu ⁺ _(aq)	49.98	71.67	40.6
CuCO _{3 • Cu(OH)₂}	−893.7	−1051	186
CuO _(s)	−129.7	−157.3	42.63
CuCl _{2 (s)}	−175.7	−220.1	108.07
CuSO _{4 (s)}	−661.9	−771.36	109
[Cu(NH ₃) ₄] ²⁺	−111.07	−348.5	273.6
Rubidio	G° _f	H° _f	S° _f
Rb _(s)	0	0	76.8
Rb ⁺ _(aq)	−283.98	−251.17	121.50
RbBr _(s)	−381.79	−394.59	109.96
Rb _(g)	53.09	80.88	169.98
RbCl _(s)	−407.82	−435.35	95.90
RbI	−328.86	−333.80	118.41

Scandio	G° _f	H° _f	S° _f
Sc _(s)	0	0	34.64
Sc ³⁺ _(aq)	−586.6	−614.2	−255
Sc _(g)	336.06	377.8	174.68
Selenio	G° _f	H° _f	S° _f
Se _(s,nero)	0	0	42.44
Se _(g)	187.06	227.07	176.61
Silicio	G° _f	H° _f	S° _f
Si _(s)	0	0	18.8
SiH _{4 (g)}	56.9	34	204.5
SiO _{2 (quarzo)}	−856.7	−910.9	41.84
SiC _(s)	−62.8	−65.3	16.61
Si ₂ H _{6 (g)}	127	80.3	272.5
SiO _{2 (cristobalite)}	−855.43	−909.48	42.68
Sodio	G° _f	H° _f	S° _f
Na _(g)	76.78	107.3	153.6
Na _(s)	0	0	51.21
Na _{2 (g)}	104.0	142.0	230.1
Na ₂ CO _{3 (s)}	−1044	−1131	135.0
NaCl _(s)	−384.0	−411.1	72.13
NaClO _{3 (s)}	−262.3	−365.8	123
NaF _(s)	−543.5	−573.7	51.46
NaI _(s)	−286.1	−287.8	98.53
NaNO _{3 (aq)}	−373.2	−447.4	205.4
Na ₂ O _(s)	−375.48	−414.22	75.06
NaOH _(aq)	−419.2	−469.2	48.1
Na ₂ HPO _{4 (s)}	−1608	−1748	150.5
NaHSO _{4 (s)}	−992.9	−1125	113
Na ₂ SO _{4 (aq)}	−1268	−1390	138.1
Na ₂ S _(s)	−349.8	−364.8	83.7
Na _(l)	0.50	2.41	57.86
Na ⁺ _(aq)	−261.9	−240.1	59.0
NaBr _(s)	−349.0	−361.1	86.82
NaHCO _{3 (s)}	−851.0	−950.8	102
NaCl _(aq)	−393.1	−407.3	115.5
NaClO _{4 (s)}	−254.9	−383.3	142.3
NaH _(s)	−33.5	−56.27	40.02
NaNO _{3 (s)}	−367.1	−467.9	116.5
Na ₂ O _{2 (s)}	−447.7	−510.9	94.98
NaOH _(s)	−379.5	−425.6	64.48

NaH ₂ PO ₄ <i>(s)</i>	-1386	-1537	127.5
Na ₃ PO ₄ <i>(s)</i>	-1789	-1917	173.8
Na ₂ SO ₄ <i>(s)</i>	-1270	-1387	149.6
Na ₂ SO ₄ • 10 H ₂ O <i>(s)</i>	-3647	-4327	592.0
Na ₂ S ₂ O ₃ <i>(s)</i>	-1028	-1123	155
Stagno	G° _f	H° _f	S° _f
Sn <i>(s, bianco)</i>	0	0	51.55
SnCl ₄ <i>(l)</i>	-440.2	-511.3	259
SnO ₂ <i>(s)</i>	-519.7	-580.7	52.3
Sn <i>(s, grigio)</i>	0.1	-2.1	44.14
SnO <i>(s)</i>	-257	-286	56.5
Sn(OH) ₂ <i>(s)</i>	-491.7	-561.1	155
Stronzio	G° _f	H° _f	S° _f
Sr <i>(s)</i>	0	0	52.3
Sr ²⁺ <i>(aq)</i>	-559.48	-545.80	-32.6
SrCO ₃ <i>(s)</i>	-1140.1	-1220.0	97.1
Sr <i>(g)</i>	130.9	164.4	164.51
SrCl ₂ <i>(s)</i>	-781.1	-828.9	114.85
Tallio	G° _f	H° _f	S° _f
Tl <i>(s)</i>	0	0	64.18
Tl <i>(g)</i>	147.44	182.21	180.85
Titanio	G° _f	H° _f	S° _f
Ti <i>(s)</i>	0	0	30.6
TiCl ₄ <i>(l)</i>	-737.2	-804.2	252.3
TiCl ₄ <i>(g)</i>	-726.8	-763.2	355
TiO ₂ <i>(s)</i>	-889.5	-944.7	50.33
Tungsteno	G° _f	H° _f	S° _f
W <i>(s)</i>	0	0	32.64
WO ₂ <i>(g)</i>	-533.92	-589.69	50.54
W <i>(g)</i>	807.1	849.4	173.84
WO ₃ <i>(g)</i>	-764.08	-842.87	75.90
Uranio	G° _f	H° _f	S° _f
U <i>(s)</i>	0	0	50.21
UF ₆ <i>(s)</i>	-2069	-2197	228
UF ₆ <i>(g)</i>	-2064	-2147	378
UO ₂ <i>(s)</i>	-1032	-1085	77.03
Xeno	G° _f	H° _f	S° _f

Xe <i>(g)</i>	0	0	169.57
Zinco	G° _f	H° _f	S° _f
Zn <i>(s)</i>	0	0	41.6
ZnO <i>(s)</i>	-318.3	-348.3	43.64
ZnCl ₂ <i>(s)</i>	-369.43	-415.05	111.46
[Zn(NH ₃) ₄] ²⁺	-301.9	-533.5	301
Zn ²⁺ <i>(aq)</i>	-147.1	-153.9	-112
ZnS <i>(s, sfalerite)</i>	-201.29	-205.98	57.7
ZnSO ₄	871.5	-982.8	110.5
Zolfo	G° _f	H° _f	S° _f
S <i>(rombico)</i>	0	0	31.8
S ₈ <i>(g)</i>	49.16	102.3	430.2
SF ₆ <i>(g)</i>	-1105	-1209	291.7
SO ₂ <i>(g)</i>	-300.2	-296.8	248.1
HSO ₃ ⁻ <i>(aq)</i>	-527.73	-626.22	139.7
SO ₄ ²⁻ <i>(aq)</i>	-744.6	-909.3	20
SO ₂ Cl ₂ <i>(g)</i>	-320.0	-364.0	311.8
H ₂ S <i>(g)</i>	-33.56	-20.63	205.7
HS ⁻ <i>(aq)</i>	12.08	-17.6	62.8
H ₂ SO ₄ <i>(l)</i>	-690.1	-814.0	156.9
S <i>(s,monoclinico)</i>	0.096	0.30	32.6
S ₂ Cl ₂ <i>(g)</i>	-31.8	-18.4	331.5
SO <i>(g)</i>	-19.87	6.26	221.84
SO ₃ <i>(g)</i>	-371.1	-395.7	256.6
SO ₃ ²⁻ <i>(aq)</i>	-486.5	-635.5	-29
S ₂ O ₃ ²⁻ <i>(aq)</i>	-522.5	-648.5	67
SO ₂ Cl ₂ <i>(l)</i>	-314	-394.1	207
H ₂ S <i>(aq)</i>	-27.83	-39.7	121
HSO ₄ ²⁻ <i>(aq)</i>	-755.91	-887.34	131.8
H ₂ SO ₄ <i>(aq)</i>	-744.6	-909.3	20.08

SostanzeOrganiche	Nome	H° _f	G° _f	S° _f
CH ₄ (g)	Metano	-74.81	-50.75	186.2
C ₂ H ₂ (g)	acetilene	226.7	209.2	200.8
C ₂ H ₄ (g)	etilene	52.26	68.12	219.4
C ₂ H ₆ (g)	etano	-84.68	-32.89	229.5
C ₃ H ₈ (g)	propano	-103.8	-23.56	270.2
n-C ₄ H ₁₀ (g)	Butano	-125.7	-17.15	310.1
C ₄ H ₁₀ (g)	iso-butano	-131.60	-17.97	294.64
C ₆ H ₆ (g)	benzene (g)	82.93	129.7	269.2
C ₆ H ₆ (l)	benzene (l)	48.99	124.4	173.3
C ₆ H ₁₂ (g)	cicloesano (g)	-123.1	31.8	298.2
C ₆ H ₁₂ (l)	cicloesano (l)	-156.2	26.7	204.3
C ₁₀ H ₈ (g)	naftalene (g)	149	223.6	335.6
C ₁₀ H ₈ (s)	naftalene (s)	75.3	201.0	166.9
CH ₂ O (g)	formaldeide	-117.0	-110.0	218.7
CH ₃ OH (g)	metanolo (g)	-200.7	-162.0	239.7
CH ₃ OH (l)	metanolo (l)	-238.7	-166.4	126.8
CH ₃ CH ₂ OH (g)	Etanolo (g)	-234.4	-167.9	282.6
CH ₃ CH ₂ OH (l)	Etanolo (l)	-277.7	-174.9	160.7
C ₆ H ₅ OH (s)	fenolo	-165.0	-50.42	144.0
(CH ₃) ₂ CO (g)	acetone (g)	-216.6	-153.1	294.9
(CH ₃) ₂ CO (l)	acetone (l)	-247.6	-155.7	200.4
HCCOH (l)	acidoformico	-424.72	-361.42	128.95
HCOOH (aq)	acidoformico	-425.43	-372.3	163
HCOO ⁻ (aq)	ioneformiato	-425.55	-351.0	92
CH ₃ COOH (g)	acidoacetico (g)	-432.3	-374.0	282.5
CH ₃ COOH (l)	acidoacetico (l)	-484.1	-389.9	159.8
CH ₃ COOH (aq)	acidoacetico (aq)	-488.3	-396.6	178.7
CH ₃ COO ⁻ (aq)	ioneacetato	-486.01	-369.31	86.6
C ₆ H ₅ COOH (s)	acidobenzoico	-385.1	-245.3	167.6
CH ₃ OCH ₃ (g)	etereetilico	-184.05	-112.67	266.27
CH ₃ NH ₂ (g)	metilammina	-23.0	32.3	242.6
C ₆ H ₅ NH ₂ (g)	Anilina (g)	86.86	166.7	319.2
C ₆ H ₅ NH ₂ (l)	Anilina (l)	31.6	149.1	191.3