

Standard Heats of Formation

ΔH_f° (kJ/mol) (aqueous solutions @ 1M, gases @ 1 atm)

Substance	ΔH_f°	Substance	ΔH_f°	Substance	ΔH_f°	Substance	ΔH_f°
Ag(s)	0	CsCl(s)	-443.04	H ₃ PO ₄ (aq)	-1279.0	NaBr(s)	-361.062
AgCl(s)	-127.068	Cs ₂ SO ₄ (s)	-1443.02	H ₂ S(g)	-20.63	NaCl(s)	-411.153
AgCN(s)	146.0	CuI(s)	-67.8	H ₂ SO ₃ (aq)	-608.81	NaHCO ₃ (s)	-950.8
Al ₂ O ₃ (s)	-1675.7	CuS(s)	-53.1	H ₂ SO ₄ (aq)	-814.0	NaNO ₃ (aq)	-447.48
BaCl ₂ (aq)	-871.95	Cu ₂ S(s)	-79.5	HgCl ₂ (s)	-224.3	NaOH(s)	-425.609
BaSO ₄ (s)	-1473.2	CuSO ₄ (s)	-771.36	Hg ₂ Cl ₂ (s)	-265.22	Na ₂ CO ₃ (s)	-1130.7
BeO(s)	-609.6	F ₂ (g)	0	Hg ₂ SO ₄ (s)	-743.12	Na ₂ S(aq)	-447.3
BiCl ₃ (s)	-379.1	FeCl ₃ (s)	-399.49	I ₂ (s)	0	Na ₂ SO ₄ (s)	-1387.08
Bi ₂ S ₃ (s)	-143.1	FeO(s)	-272.0	K(s)	0	NH ₄ Cl(s)	-314.4
Br ₂ (l)	0	FeS(s)	-100.0	KBr(s)	-393.798	O ₂ (g)	0
CCl ₄ (l)	-128.2	Fe ₂ O ₃ (s)	-824.2	KMnO ₄ (s)	-837.2	P ₄ O ₆ (s)	-1640.1
CH ₄ (g)	-74.81	Fe ₃ O ₄ (s)	-1118.4	KOH	-424.764	P ₄ O ₁₀ (s)	-2984.0
C ₂ H ₂ (g)	226.73	H(g)	217.965	LiBr(s)	-351.213	PbBr ₂ (s)	-278.7
C ₂ H ₄ (g)	52.26	H ₂ (g)	0	LiOH(s)	-484.93	PbCl ₂ (s)	-359.41
C ₂ H ₆ (g)	-84.68	HBr(g)	-36.40	Mn(s)	0	SF ₆ (g)	-1220.5
CO(g)	-110.525	HCl(g)	-92.307	MnCl ₂ (aq)	-555.05	SO ₂ (g)	-296.830
CO ₂ (g)	-393.509	HCl(aq)	-167.159	Mn(NO ₃) ₂ (aq)	-635.5	SO ₃ (g)	-454.51
CS ₂ (l)	89.70	HCN(aq)	108.9	MnO ₂ (s)	-520.03	SrO(s)	-592.0
Ca(s)	0	HCHO	-108.57	MnS(s)	-214.2	TiO ₃ (s)	-939.7
CaCO ₃ (s)	-1206.9	HCOOH(l)	-424.72	N ₂ (g)	0	TlI(s)	-123.5
CaO(s)	-635.1	HF(g)	-271.1	NH ₃ (g)	-46.11	UCl ₄ (s)	-1019.2
Ca(OH) ₂ (s)	-986.09	HI(g)	26.48	NH ₄ Br(s)	-270.83	UCl ₅ (s)	-1059
Cl ₂ (g)	0	H ₂ O(l)	-285.830	NO(g)	90.25	Zn(s)	0
Co ₃ O ₄ (s)	-891	H ₂ O(g)	-241.818	NO ₂ (g)	33.18	ZnCl ₂ (aq)	-488.19
CoO(s)	-237.94	H ₂ O ₂ (l)	-187.8	N ₂ O(g)	82.05	ZnO(s)	-348.28
Cr ₂ O ₃ (s)	-1139.7	H ₃ PO ₄ (l)	-595.4	Na(s)	0	ZnSO ₄ (aq)	-1063.15