

Standard Entropy Values

Substance	Notes	Entropy (J/mol/K)
Ag(s)		42.6
Ag(g)		172.9
Ag ⁻ (aq)		72.7
Ag ₂ C ₂ O ₄ (s)		209.2
Ag ₂ CO ₃ (s)		167.4
Ag ₂ CrO ₄ (s)		217.6
Ag ₂ MoO ₄ (s)		213.4
Ag ₂ O(s)		121.3
Ag ₂ O ₂ (s)		117.2
Ag ₂ O ₃ (s)		100.4
Ag ₂ S(s)	alpha, orthorhombic	144.0
Ag ₂ S(s)	beta	150.6
Ag ₂ Se(s)		150.7
Ag ₂ SeO ₃ (s)		230.1
Ag ₂ SeO ₄ (s)		248.5
Ag ₂ SO ₃ (s)		158.2
Ag ₂ SO ₄ (s)		200.4
Ag ₂ Te(s)		154.8
AgBr(s)		107.1
AgBrO ₃ (s)		152.7
AgCl(s)		96.2
AgClO ₂ (s)		134.6

AgCN(s)	107.2
AgF(s)	84.0
$\text{AgF}\cdot 2\text{H}_2\text{O(s)}$	174.9
AgI(s)	115.5
$\text{AgIO}_3\text{(s)}$	149.4
$\text{AgN}_3\text{(s)}$	104.2
$\text{AgNO}_2\text{(s)}$	128.2
$\text{AgNO}_3\text{(s)}$	140.9
AgO(s)	57.8
AgOCN(s)	121.3
$\text{AgReO}_4\text{(s)}$	153.1
AgSCN(s)	131.0
$\text{Al(BH}_4)_3\text{(l)}$	289.1
$\text{Al(BH}_4)_3\text{(g)}$	379.1
$\text{Al(CH}_3)_3\text{(l)}$	209.4
Al(s)	28.3
Al(l)	35.2
Al(g)	164.6
$\text{Al}^{3+}\text{(aq)}$	-321.7
$\text{Al(OH)}_4\text{(aq)}$	117.0
$\text{Al}_2\text{O}_3\text{(s)}$	50.9
$\text{AlBr}_3\text{(s)}$	180.2
$\text{AlCl}_3\text{(s)}$	112.3
$\text{AlF}_3\text{(s)}$	66.5
$\text{AlI}_3\text{(s)}$	189.5

AlN(s)	20.2
AlN(g)	211.7
AlO(g)	218.3
AlOCl(s)	54.4
AlOCl(g)	248.8
AlOF(g)	234.3
AlOH(g)	216.3
$\text{AlPO}_4\text{(s)}$	90.8
AlS(g)	230.5
Ar(g)	154.9
Au(s)	47.4
Au(g)	180.4
$\text{Au(CN)}_2^-\text{(aq)}$	171.5
$\text{AuBr}_4^-\text{(aq)}$	336.0
$\text{AuCl}_4^-\text{(aq)}$	266.9
AuH(g)	211.0
B(s)	5.9
B(g)	153.3
$\text{B(CH}_3)_3\text{(l)}$	238.9
$\text{B(CH}_3)_3\text{(g)}$	314.6
$\text{B(OH)}_4^-\text{(aq)}$	102.5
$\text{B}_2\text{(g)}$	201.8
$\text{B}_2\text{Cl}_4\text{(l)}$	262.3
$\text{B}_2\text{H}_6\text{(g)}$	232.0
$\text{B}_2\text{O}_2\text{(g)}$	242.4

$\text{B}_2\text{O}_3(\text{s})$	54.0
$\text{B}_2\text{O}_3(\text{g})$	279.7
$\text{B}_2\text{S}_3(\text{s})$	100.0
$\text{B}_3\text{N}_3\text{H}_6(\text{l})$	199.6
$\text{B}_4\text{C}(\text{s})$	27.1
$\text{B}_5\text{H}_9(\text{l})$	184.2
$\text{Ba}(\text{s})$	62.3
$\text{Ba}(\text{l})$	66.7
$\text{Ba}(\text{g})$	170.0
$\text{Ba}^{2+}(\text{aq})$	9.6
$\text{Ba}(\text{BrO}_3)_2(\text{s})$	242.7
$\text{Ba}(\text{BrO}_3)_2 \cdot \text{H}_2\text{O}(\text{s})$	292.5
$\text{Ba}(\text{ClO}_3)_2(\text{s})$	196.6
$\text{Ba}(\text{ClO}_4)_2 \cdot 3\text{H}_2\text{O}(\text{s})$	393.3
$\text{Ba}(\text{IO}_3)_2(\text{s})$	249.4
$\text{Ba}(\text{IO}_3)_2 \cdot \text{H}_2\text{O}(\text{s})$	297.1
$\text{Ba}(\text{N}_3)_2 \cdot \text{H}_2\text{O}(\text{s})$	188.3
$\text{Ba}(\text{NO}_3)_2(\text{s})$	213.8
$\text{Ba}(\text{OH})_2(\text{s})$	112.0
$\text{Ba}(\text{OH})_2 \cdot 8\text{H}_2\text{O}(\text{s})$	426.8
$\text{Ba}(\text{ReO}_4)_2 \cdot 4\text{H}_2\text{O}(\text{s})$	376.6
$\text{Ba}_2\text{TiO}_4(\text{s})$	196.6
$\text{BaBr}_2(\text{s})$	146.4
$\text{BaBr}_2(\text{g})$	330.5
$\text{BaBr}_2 \cdot 2\text{H}_2\text{O}(\text{s})$	225.9

$\text{BaCl}_2(\text{s})$	123.7
$\text{BaCl}_2(\text{l})$	143.5
$\text{BaCl}_2(\text{g})$	325.6
$\text{BaCl}_2 \cdot 2\text{H}_2\text{O}(\text{s})$	202.9
$\text{BaCO}_3(\text{s})$	112.1
$\text{BaCrO}_4(\text{s})$	158.6
$\text{BaF}_2(\text{s})$	96.4
$\text{BaF}_2(\text{l})$	121.3
$\text{BaF}_2(\text{g})$	301.2
$\text{BaH}_2(\text{s})$	63.0
$\text{BaI}_2(\text{s})$	165.1
$\text{BaI}_2(\text{l})$	183.7
$\text{BaI}_2(\text{g})$	348.1
$\text{BaMoO}_4(\text{s})$	138.1
$\text{BaO}(\text{s})$	72.1
$\text{BaO}(\text{l})$	96.6
$\text{BaO}(\text{g})$	235.4
$\text{BaS}(\text{s})$	78.2
$\text{BaSeO}_3(\text{s})$	167.4
$\text{BaSeO}_4(\text{s})$	175.7
$\text{BaSiF}_6(\text{s})$	163.2
$\text{BaSiO}_3(\text{s})$	109.6
$\text{BaSO}_4(\text{s})$	132.2
$\text{BaTiO}_3(\text{s})$	107.9
$\text{BaZrO}_3(\text{s})$	124.7

BBr(g)		224.9
$\text{BBr}_3\text{(g)}$		324.1
$\text{BBr}_3\text{(l)}$		229.7
$\text{BCl}_3\text{(l)}$		206.3
$\text{BCl}_3\text{(g)}$		290.0
$\text{BCl}_2\text{F(g)}$		284.5
$\text{BClF}_2\text{(g)}$		272.0
Be(s)		9.5
Be(l)		16.5
Be(g)		136.3
$\text{Be}^{2+}\text{(aq)}$		-129.7
$\text{Be(OH)}_2\text{(s)}$		45.5
$\text{Be}_2\text{C(s)}$		16.3
$\text{Be}_2\text{SiO}_4\text{(s)}$		64.3
$\text{Be}_3\text{N}_2\text{(s)}$	cubic	34.1
$\text{BeAl}_2\text{O}_4\text{(s)}$		66.3
$\text{BeBr}_2\text{(s)}$		106.3
$\text{BeC}_2\text{(g)}$		218.4
$\text{BeCl}_2\text{(s)}$		75.8
$\text{BeF}_2\text{(s)}$		53.4
$\text{BeI}_2\text{(s)}$		120.5
BeO(s)		13.8
BeO(g)		197.5
$\text{BeSO}_4\text{(s)}$		77.9
$\text{BeSO}_4 \cdot 4\text{H}_2\text{O(s)}$		233.0

$\text{BeWO}_4(\text{s})$		88.4
$\text{BF}_3(\text{g})$		254.0
$\text{BF}_4^-(\text{aq})$		179.9
$\text{BH}(\text{g})$		171.8
$\text{BH}_3(\text{g})$		188.2
$\text{BH}_4^-(\text{aq})$		110.5
$\text{Bi}(\text{s})$		56.7
$\text{Bi}(\text{g})$		187.0
$\text{Bi}_2\text{O}_3(\text{s})$		151.5
$\text{BiCl}_3(\text{s})$		177.0
$\text{BN}(\text{g})$		212.2
$\text{Br}(\text{g})$		175.0
$\text{Br}^-(\text{aq})$		82.6
$\text{Br}_2(\text{l})$		152.2
$\text{Br}_2(\text{g})$		245.5
$\text{BrCl}(\text{g})$		240.1
$\text{BrF}(\text{g})$		229.0
$\text{BrF}_3(\text{l})$		178.2
$\text{BrF}_3(\text{g})$		292.5
$\text{BrF}_5(\text{l})$		225.1
$\text{BrO}(\text{g})$		237.4
$\text{BrO}^-(\text{aq})$		41.8
$\text{BrO}_3^-(\text{aq})$		163.2
$\text{C}(\text{s})$	diamond	2.4
$\text{C}(\text{s})$	graphite	5.7

C(g)		158.1
$\text{C}_{12}\text{H}_{22}\text{O}_{11}\text{(s)}$	sucrose	360.2
$\text{C}_2\text{H}_2\text{(g)}$	ethyne	200.9
$\text{C}_2\text{H}_4\text{(g)}$	ethene	219.6
$\text{C}_2\text{H}_5\text{OH(l)}$	ethanol	160.7
$\text{C}_2\text{H}_5\text{OH(g)}$	ethanol	282.7
$\text{C}_2\text{H}_6\text{(g)}$	ethane	229.6
$\text{C}_3\text{H}_8\text{(g)}$	propane	269.9
$\text{C}_3\text{O}_2\text{(l)}$		1811.0
$\text{C}_3\text{O}_2\text{(g)}$		276.4
$\text{C}_4\text{H}_{10}\text{(g)}$	n-butane	310.1
$\text{C}_4\text{H}_8\text{(g)}$	cyclobutane	265.4
$\text{C}_4\text{N}_2\text{(g)}$		290.0
$\text{C}_5\text{H}_{10}\text{(g)}$	cyclopentane	292.9
$\text{C}_5\text{H}_{10}\text{(l)}$	cyclopentane	204.3
$\text{C}_6\text{H}_{12}\text{(l)}$	cyclohexane	204.3
$\text{C}_6\text{H}_{12}\text{(g)}$	cyclohexane	298.2
$\text{C}_6\text{H}_{14}\text{(l)}$	n-hexane	296.0
$\text{C}_6\text{H}_5\text{CH}_3\text{(l)}$	toluene	221.0
$\text{C}_6\text{H}_5\text{CH}_3\text{(g)}$	toluene	320.7
$\text{C}_6\text{H}_5\text{COOH(s)}$	benzoic acid	167.6
$\text{C}_6\text{H}_5\text{OH(s)}$	phenol	144.0
$\text{C}_6\text{H}_5\text{OH(g)}$	phenol	315.6
$\text{C}_6\text{H}_6\text{(l)}$	benzene	173.3
$\text{C}_6\text{H}_6\text{(g)}$	benzene	269.2

$\text{C}_7\text{H}_{14}(\text{l})$	cycloheptane	242.5
$\text{C}_8\text{H}_{16}(\text{l})$	cyclooctane	262.0
$\text{C}_8\text{H}_{18}(\text{l})$	n-octane	361.2
$\text{Ca}(\text{s})$		41.6
$\text{Ca}(\text{l})$		50.7
$\text{Ca}(\text{g})$		154.8
$\text{Ca}^{2+}(\text{aq})$		-55.2
$\text{Ca}(\text{ClO}_4)_2 \cdot 4\text{H}_2\text{O}(\text{s})$		433.5
$\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}(\text{s})$		259.8
$\text{Ca}(\text{IO}_3)_2(\text{s})$		230.1
$\text{Ca}(\text{IO}_3)_2 \cdot 6\text{H}_2\text{O}(\text{s})$		451.9
$\text{Ca}(\text{NO}_3)_2(\text{s})$		193.3
$\text{Ca}(\text{NO}_3)_2 \cdot 2\text{H}_2\text{O}(\text{s})$		269.4
$\text{Ca}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}(\text{s})$		319.2
$\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}(\text{s})$		375.3
$\text{Ca}(\text{OH})_2(\text{s})$		83.4
$\text{Ca}[\text{Mg}(\text{CO}_3)_2(\text{s})]$	dolomite	155.2
$\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2(\text{s})$	hydroxyapatite	780.7
$\text{Ca}_{10}(\text{PO}_4)_6\text{F}_2(\text{s})$	fluorapatite	775.7
$\text{Ca}_2\text{P}_2\text{O}_7(\text{s})$	beta	189.2
$\text{Ca}_2\text{SiO}_4(\text{s})$	beta	127.7
$\text{Ca}_2\text{SiO}_4(\text{s})$	gamma	120.8
$\text{Ca}_3(\text{AsO}_4)_2(\text{s})$	(s)	225.9
$\text{Ca}_3(\text{PO}_4)_2(\text{s})$	beta	236.0
$\text{Ca}_3(\text{PO}_4)_2(\text{s})$	alpha	240.9

$\text{CaBr}_2(\text{s})$		129.7
$\text{CaBr}_2(\text{l})$		147.9
$\text{CaBr}_2(\text{g})$		314.6
$\text{CaBr}_2 \cdot 6\text{H}_2\text{O}(\text{s})$		410.0
$\text{CaC}_2(\text{s})$		70.0
$\text{CaC}_2\text{O}_4 \cdot \text{H}_2\text{O}(\text{s})$		156.5
$\text{CaCl}_2(\text{s})$		104.6
$\text{CaCO}_3(\text{s})$	aragonite	88.0
$\text{CaCO}_3(\text{s})$	calcite	91.7
$\text{CaF}_2(\text{s})$		68.5
$\text{CaH}_2(\text{s})$		41.4
$\text{CaI}_2(\text{s})$		142.0
$\text{CaO}(\text{s})$		38.1
$\text{CaS}(\text{s})$		56.5
$\text{CaSO}_4(\text{s})$		106.5
$\text{CBr}_4(\text{s})$		212.5
$\text{CBr}_4(\text{g})$		358.1
$\text{CCl}_2\text{F}_2(\text{g})$		300.8
$\text{CCl}_2\text{O}(\text{g})$		283.5
$\text{CCl}_4(\text{l})$		216.4
$\text{CCl}_4(\text{g})$		309.9
$\text{Cd}(\text{s})$		51.8
$\text{Cd}(\text{g})$		167.7
$\text{Cd}^{2+}(\text{aq})$		-73.2
$\text{CdBr}_2(\text{s})$		137.2

$\text{CdCl}_2(\text{s})$		115.3
$\text{CdCO}_3(\text{s})$		92.5
$\text{CdF}_2(\text{s})$		77.4
$\text{CdO}(\text{s})$		54.8
$\text{CdS}(\text{s})$		64.9
$\text{CdSO}_4(\text{s})$		123.0
$\text{CF}_4(\text{g})$		261.6
$\text{CH}_3\text{CHOHCH}_3(\text{l})$	2-propanol	180.6
$\text{CH}_3\text{CHOHCH}_3(\text{g})$	2-propanol	309.9
$\text{CH}_3\text{COCH}_3(\text{l})$	acetone	200.4
$\text{CH}_3\text{COCH}_3(\text{g})$	acetone	294.9
$\text{CH}_3\text{COOH}(\text{l})$	acetic acid	159.8
$\text{CH}_3\text{COOH}(\text{g})$	acetic acid	282.5
$\text{CH}_3\text{OCH}_3(\text{g})$	dimethyl ether	267.1
$\text{CH}_3\text{OH}(\text{l})$	methanol	127.2
$\text{CH}_3\text{OH}(\text{g})$	methanol	239.7
$\text{CH}_4(\text{g})$	methane	186.3
$\text{CHCl}_3(\text{l})$		201.7
$\text{CHCl}_3(\text{g})$		295.7
$\text{Cl}(\text{g})$		165.1
$\text{Cl}^-(\text{aq})$		56.6
$\text{Cl}_2(\text{g})$		223.1
$\text{C}_2\text{F}_6(\text{g})$		489.5
$\text{Cl}_2\text{O}(\text{g})$		266.2
$\text{ClF}(\text{g})$		217.9

$\text{ClF}_3(\text{g})$		281.6
$\text{ClF}_5(\text{g})$		310.6
$\text{ClO}(\text{g})$		226.6
$\text{ClO}^-(\text{aq})$		41.8
$\text{ClO}_2(\text{g})$		263.7
$\text{ClO}_2^-(\text{aq})$		101.3
$\text{ClO}_3^-(\text{aq})$		162.3
$\text{ClO}_4^-(\text{aq})$		182.0
$\text{CNBr}(\text{g})$		247.1
$\text{CNCl}(\text{g})$		235.5
$\text{CNI}(\text{s})$		128.9
$\text{CNI}(\text{g})$		256.6
$\text{CO}(\text{g})$		197.9
$\text{CO}(\text{NH}_2)_2(\text{s})$	urea	104.6
$\text{Co}(\text{s})$		30.0
$\text{Co}(\text{g})$		179.5
$\text{Co}^{2+}(\text{aq})$		-113.0
$\text{Co}^{3+}(\text{aq})$		-305.4
$\text{Co}(\text{NH}_3)_6^{3+}(\text{aq})$		146.4
$\text{Co}(\text{OH})_2(\text{s})$	pink	79.5
$\text{Co}_3\text{O}_4(\text{s})$		114.2
$\text{CoCl}_2(\text{s})$		109.2
$\text{CoCl}_2 \cdot 2\text{H}_2\text{O}(\text{s})$		188.3
$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}(\text{s})$		343.1
$\text{CoCl}_3(\text{g})$		334.1

$\text{CoF}_2(\text{s})$	82.0
$\text{CoF}_3(\text{s})$	94.6
$\text{CoO}(\text{s})$	53.0
$\text{CoSi}(\text{s})$	43.1
$\text{CoSO}_4(\text{s})$	118.0
$\text{CoSO}_4 \cdot 6\text{H}_2\text{O}(\text{s})$	367.6
$\text{CoSO}_4 \cdot 7\text{H}_2\text{O}(\text{s})$	406.1
$\text{CO}_2(\text{aq})$	117.6
$\text{CO}_2(\text{g})$	213.8
$\text{CO}_3^{2-}(\text{aq})$	-53.1
$\text{COBr}_2(\text{g})$	309.0
$\text{COCl}_2(\text{g})$	283.5
$\text{COF}_2(\text{g})$	258.7
$\text{COS}(\text{g})$	231.5
$\text{Cr}(\text{s})$	23.8
$\text{Cr}(\text{l})$	36.2
$\text{Cr}(\text{g})$	174.5
$\text{Cr}_2\text{N}(\text{s})$	64.9
$\text{Cr}_2\text{O}_3(\text{s})$	81.2
$\text{Cr}_2\text{O}_3(\text{l})$	125.6
$\text{Cr}_2\text{O}_7^{2-}(\text{aq})$	261.9
$\text{Cr}_3\text{C}_2(\text{s})$	85.4
$\text{Cr}_7\text{C}_3(\text{s})$	200.8
$\text{CrCl}_2(\text{s})$	115.3
$\text{CrCl}_3(\text{s})$	123.0

CrF ₃ (s)	93.9
CrN(s)	37.7
CrN(g)	230.5
CrO(g)	239.2
CrO ₂ (g)	269.1
CrO ₂ Cl ₂ (l)	221.8
CrO ₂ Cl ₂ (g)	329.7
CrO ₃ (g)	266.2
CrO ₄ ²⁻ (aq)	50.2
Cs(s)	85.2
Cs(l)	92.1
Cs(g)	175.6
Cs ⁺ (aq)	169.7
CS(g)	210.5
CS ₂ (l)	151.3
CS ₂ (g)	237.8
Cs ₂ O(g)	318.0
CsAl(SO ₄) ₂ •12H ₂ O(s)	686.2
CsBr(s)	113.4
CsCl(s)	101.2
CsCl(l)	101.7
CsCl(g)	256.0
CsF(s)	88.3
CsF(l)	90.1
CsF(g)	243.1

CsH(g)		214.4
CsI(s)		125.5
CsOH(s)		98.7
CsOH(l)		118.4
CsOH(g)		255.1
Cu(s)		33.1
Cu(g)		166.4
Cu ⁺ (aq)		40.6
Cu ²⁺ (aq)		-99.6
Cu(C ₂ O ₄) ₂ ²⁻ (aq)		146.4
Cu(NH ₃) ₂ ²⁺ (aq)		111.3
Cu(NH ₃) ₃ ²⁺ (aq)		199.6
Cu(NH ₃) ₄ ²⁺ (aq)		273.6
Cu ₂ O(s)		93.1
Cu ₂ S(s)		120.9
CuBr(s)		96.1
CuCl(s)		86.2
CuCl ₂ (s)		108.1
CuCl ₂ •2H ₂ O(s)		167.4
CuCN(s)		84.5
CuCO ₃ •Cu(OH) ₂ (s)	malachite	186.2
CuF(s)		64.9
CuF ₂ (s)		68.6
CuFe ₂ O ₄ (s)		141.0
CuFeO ₂ (s)		88.7

CuI(s)		96.7
CuN ₃ (s)		100.4
CuO(s)		42.6
CuS(s)		66.5
CuSO ₄ (s)		109.2
CuSO ₄ •H ₂ O(s)		146.0
CuSO ₄ •3H ₂ O(s)		221.3
CuSO ₄ •5H ₂ O(s)		300.4
F(g)		158.7
F ⁻ (aq)		-13.8
F ⁻ (g)		145.5
F ₂ (g)		202.8
F ₂ O(g)		247.5
FB(g)		200.5
Fe(s)	alpha	27.3
Fe(l)		34.3
Fe(g)		180.5
Fe ²⁺ (aq)		-137.7
Fe ³⁺ (aq)		-315.9
Fe(CN) ₆ ³⁻ (aq)		270.3
Fe(CN) ₆ ⁴⁻ (aq)		95.0
Fe(CO) ₅ (l)		338.1
Fe(CO) ₅ (g)		445.2
Fe(OH) ²⁺ (aq)		-142.3
Fe(OH) ₃ (s)		106.7

$\text{Fe}_2(\text{SO}_4)_3(\text{s})$		307.5
$\text{Fe}_2\text{O}_3(\text{s})$	hematite	87.4
$\text{Fe}_2\text{SiO}_4(\text{s})$	fayalite	145.2
$\text{Fe}_3\text{C}(\text{s})$		104.6
$\text{Fe}_3\text{O}_4(\text{s})$	magnetite	146.4
$\text{Fe}_3\text{Si}(\text{s})$		103.8
$\text{Fe}_4\text{N}(\text{s})$		156.1
$\text{Fe}_7\text{S}_8(\text{s})$	pyrrhotite	485.8
$\text{FeAl}_2\text{O}_4(\text{s})$		106.3
$\text{FeAsS}(\text{s})$		121.3
$\text{FeBr}_2(\text{s})$		140.6
$\text{FeCl}_2(\text{s})$		118.0
$\text{FeCl}_3(\text{s})$		142.3
$\text{FeCO}_3(\text{s})$		92.9
$\text{FeCr}_2\text{O}_4(\text{s})$		146.0
$\text{FeF}_2(\text{s})$		87.0
$\text{FeF}_3(\text{s})$		98.3
$\text{FeI}_2(\text{s})$		167.4
$\text{FeMoO}_4(\text{s})$		129.3
$\text{FeO}(\text{s})$		60.7
$\text{FeOH}^+(\text{aq})$		-29.3
$\text{FePO}_4 \cdot 2\text{H}_2\text{O}(\text{s})$	strengite	171.3
$\text{FeS}(\text{s})$	pyrrhotite	60.3
$\text{FeS}_2(\text{s})$	pyrite	52.9
$\text{FeSi}(\text{s})$		46.0

$\text{FeSi}_2(\text{s})$	beta-lebanite	55.6
$\text{FeSO}_4(\text{s})$		120.9
$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}(\text{s})$		409.2
$\text{FeWO}_4(\text{s})$		131.8
$\text{FNO}_3(\text{g})$		73.6
$\text{FO}(\text{g})$		216.4
$\text{H}(\text{g})$		114.7
$\text{H}^+(\text{aq})$		0.0
$\text{H}_2(\text{g})$		130.7
$\text{H}_2\text{AsO}_4^-(\text{aq})$		117.2
$\text{H}_2\text{CO}_3(\text{aq})$		191.0
$\text{H}_2\text{CS}_3(\text{l})$		223.0
$\text{H}_2\text{MoO}_4(\text{g})$		355.6
$\text{H}_2\text{O}(\text{l})$		69.9
$\text{H}_2\text{O}(\text{g})$		188.8
$\text{H}_2\text{O}_2(\text{l})$		109.6
$\text{H}_2\text{O}_2(\text{g})$		232.7
$\text{H}_2\text{PO}_4^-(\text{aq})$		90.4
$\text{H}_2\text{S}(\text{g})$		205.8
$\text{H}_2\text{Se}(\text{g})$		219.0
$\text{H}_2\text{SiO}_3(\text{s})$		133.9
$\text{H}_2\text{SO}_4(\text{l})$		156.9
$\text{H}_2\text{SO}_4(\text{g})$		289.1
$\text{H}_2\text{SO}_4(\text{aq})$		20.1
$\text{H}_2\text{VO}_4^-(\text{aq})$		121.3

$\text{H}_2\text{WO}_4(\text{s})$		146.4
$\text{H}_2\text{WO}_4(\text{g})$		351.5
$\text{H}_3\text{BO}_3(\text{s})$		88.8
$\text{H}_3\text{PO}_4(\text{s})$		110.5
$\text{H}_3\text{PO}_4(\text{l})$		150.8
$\text{H}_4\text{SiO}_4(\text{s})$		192.5
$\text{HAsO}_4^{2-}(\text{aq})$		-1.7
$\text{HBO}_2(\text{s})$	monoclinic	37.7
$\text{HBO}_2(\text{s})$	orthorhombic	50.2
$\text{HBr}(\text{g})$		198.7
$\text{HBr}(\text{aq})$		82.4
$\text{HCl}(\text{g})$		186.9
$\text{HCl}(\text{aq})$		56.5
$\text{HClO}(\text{g})$		236.6
$\text{HCN}(\text{l})$		112.8
$\text{HCN}(\text{g})$		201.8
$\text{HCO}_2^-(\text{aq})$		91.6
$\text{HCO}_2\text{H}(\text{aq})$		164.0
$\text{HCO}_3^-(\text{aq})$		95.0
$\text{HF}(\text{aq})$		-13.8
$\text{HF}(\text{g})$		173.8
$\text{He}(\text{g})$		126.2
$\text{Hg}(\text{CH}_3)_2(\text{g})$		305.4
$\text{Hg}(\text{l})$		75.9
$\text{Hg}(\text{g})$		175.0

$\text{Hg}^{2+}(\text{aq})$		-32.2
$\text{Hg}_2(\text{g})$		288.1
$\text{Hg}_2\text{Br}_2(\text{s})$		218.0
$\text{Hg}_2\text{Cl}_2(\text{s})$		191.6
Hg_2CO_3		179.9
$\text{Hg}_2\text{F}_2(\text{s})$		159.0
$\text{Hg}_2\text{I}_2(\text{s})$		233.5
$\text{Hg}_2(\text{N}_3)_2$		205.0
$\text{Hg}_2\text{SO}_4(\text{s})$		200.7
$\text{HgBr}_2(\text{s})$		172.0
$\text{HgCl}(\text{g})$		259.8
$\text{HgCl}_2(\text{s})$		146.0
$\text{HgF}_2(\text{s})$		116.3
$\text{HgH}(\text{g})$		219.5
$\text{HgI}(\text{g})$		281.4
$\text{HgI}_2(\text{s})$		180.0
$\text{HgI}_2(\text{g})$		336.0
$\text{HgO}(\text{s})$	yellow	71.1
$\text{HgO}(\text{s})$	red-hexagonal	71.1
$\text{HgO}(\text{s})$	red-orthorhombic	70.3
$\text{HgS}(\text{s})$	black	88.3
$\text{HgS}(\text{s})$	red	82.4
$\text{HgSe}(\text{s})$		94.1
$\text{HgSe}(\text{g})$		267.0
$\text{HgTe}(\text{s})$		106.7

HI(g)	206.6
HI(aq)	111.3
HIO ₃ (s)	
HN ₃ (g)	238.9
HNCO(g)	238.1
HNCS(g)	247.7
HNO ₂ (g)	174.8
HNO ₃ (l)	155.6
HNO ₃ (g)	266.4
HNO ₃ (aq)	146.4
HO(g)	226.6
HPO ₄ ²⁻ (aq)	-33.5
HS ⁻ (aq)	62.8
HSe ⁻ (aq)	-664.8
HSeO ₄ ⁻ (aq)	149.4
HSO ₃ ⁻ (aq)	139.7
HSO ₃ F(g)	297.1
HSO ₄ ⁻ (aq)	131.8
HVO ₄ ²⁻ (aq)	16.7
I(g)	180.8
I ⁻ (aq)	111.3
I ₂ (s)	116.1
I ₂ (g)	260.7
IBr(g)	258.8
ICI(l)	135.1

ICl(g)	247.6
ICl ₃ (s)	167.4
IF(g)	236.2
IF ₅ (g)	334.7
IF ₇ (g)	346.4
IO(g)	245.4
IO ⁻ (aq)	-5.4
IO ₃ ⁻ (aq)	118.4
K(s)	64.7
K(l)	71.5
K(g)	160.3
K ⁺ (aq)	102.5
K ₂ B ₄ O ₇ (s)	208.4
K ₂ CO ₃ (s)	155.5
K ₂ O(s)	94.1
K ₂ O ₂ (s)	102.1
K ₂ SiO ₃ (s)	146.1
K ₂ SO ₄ (s)	175.6
K ₃ AlCl ₆ (s)	376.6
KAl(SO ₄) ₂	204.6
KAl(SO ₄) ₂ •12H ₂ O	687.4
KAlCl ₄ (s)	196.6
KBF ₄ (s)	133.9
KBH ₄ (s)	106.6
KBO ₂ (s)	80.0

KBr(s)	95.9
KBrO ₃ (s)	149.2
KCl(s)	82.6
KCl(g)	239.5
KClO ₃ (s)	143.1
KClO ₄ (s)	151.0
KCN(s)	127.8
KF(s)	66.6
KF•2H ₂ O(s)	150.6
KH(s)	50.2
KH ₂ (s)	104.3
KH ₂ AsO ₄ (s)	155.1
KI(s)	106.3
KIO ₃ (s)	151.5
KMnO ₄ (s)	171.7
KNO ₂ (s)	152.1
KNO ₃ (s)	133.1
KO ₂ (s)	122.6
KOH(s)	78.9
KOH(aq)	91.6
Kr(g)	164.1
KSCN(s)	124.3
Li(s)	29.1
Li(g)	138.8
Li ⁺ (aq)	12.4

$\text{Li}_2\text{B}_4\text{O}_7(\text{s})$	155.6
$\text{Li}_2\text{BeF}_4(\text{s})$	130.5
$\text{Li}_2\text{CO}_3(\text{s})$	90.2
$\text{Li}_2\text{O}(\text{s})$	37.9
$\text{Li}_2\text{O}_2(\text{s})$	56.5
$\text{LiBr}(\text{s})$	74.3
$\text{LiCl}(\text{s})$	59.3
$\text{LiF}(\text{s})$	35.7
$\text{LiI}(\text{s})$	86.8
$\text{LiNO}_3(\text{s})$	90.0
$\text{LiOH}(\text{aq})$	2.8
$\text{LiOH}(\text{s})$	42.8
$\text{Mg}(\text{s})$	32.7
$\text{Mg}(\text{g})$	148.6
$\text{Mg}^{2+}(\text{aq})$	-138.1
$\text{Mg}(\text{OH})_2(\text{s})$	63.2
$\text{MgBr}_2(\text{s})$	117.2
$\text{MgCl}_2(\text{s})$	89.6
$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}(\text{s})$	179.9
$\text{MgCO}_3(\text{s})$	65.7
$\text{MgCr}_2\text{O}_4(\text{s})$	106.0
$\text{MgF}_2(\text{s})$	57.2
$\text{MgFe}_2\text{O}_4(\text{s})$	123.8
$\text{MgH}_2(\text{s})$	31.1
$\text{MgI}_2(\text{s})$	129.7

MgMoO ₄ (s)		118.8
MgO(s)		26.9
MgS(s)		50.3
MgSiO ₃ (s)	clinoenstatite	67.8
MgSO ₄ (s)		91.6
MgSO ₄ •H ₂ O(s)		126.4
MgSO ₄ •6H ₂ O(s)		348.1
MgSO ₄ •7H ₂ O(s)		372.4
MgTi ₂ O ₅ (s)		127.3
MgTiO ₃ (s)		74.6
MgWO ₄ (s)		101.2
Mn(s)		32.0
Mn(g)		173.6
Mn ²⁺ (aq)		-73.6
Mn(IO ₃) ₂		263.6
Mn(OH) ₂ (s)	amorphous	99.2
Mn ₂ O ₃ (s)		110.5
Mn ₂ SiO ₄ (s)		163.2
Mn ₃ C(s)		98.7
Mn ₃ O ₄ (s)		155.6
MnC ₂ O ₄ •2H ₂ O(s)		200.8
MnCl ₂ (s)		118.2
MnCl ₂ •H ₂ O(s)		174.1
MnCl ₂ •2H ₂ O(s)		218.8
MnCl ₂ •4H ₂ O(s)		303.3

$\text{MnCO}_3(\text{s})$	natural	85.8
$\text{MnCO}_3(\text{s})$	precipitated	113.0
$\text{MnF}_2(\text{s})$		-748.9
$\text{MnO}(\text{s})$		59.7
$\text{MnO}_2(\text{s})$		53.1
$\text{MnO}_4^-(\text{aq})$		191.2
$\text{MnS}(\text{s})$		78.2
$\text{MnSe}(\text{s})$		90.8
$\text{MnSiO}_3(\text{s})$		89.1
$\text{MnSO}_4(\text{s})$		112.1
$\text{Mo}(\text{s})$		28.7
$\text{Mo}(\text{g})$		182.0
$\text{MoO}_2(\text{s})$		46.3
$\text{MoO}_3(\text{s})$		77.7
$\text{MoS}_2(\text{s})$		62.6
$\text{MoS}_3(\text{s})$		119.0
$\text{N}(\text{g})$		153.3
$\text{N}_2(\text{g})$		191.6
$(\text{NH}_4)_2\text{O}(\text{l})$		267.5
$(\text{NH}_4)_2\text{SiF}_6(\text{s})$	hexagonal	280.2
$(\text{NH}_4)_2\text{SO}_4(\text{s})$		220.1
$\text{N}_2\text{F}_2(\text{g})$	trans	262.5
$\text{N}_2\text{F}_2(\text{g})$	cis	259.8
$\text{N}_2\text{H}_2(\text{g})$	trans	220.1
$\text{N}_2\text{H}_2(\text{g})$	cis, diimide	218.4

$\text{N}_2\text{H}_4(\text{l})$	121.2
$\text{N}_2\text{H}_4(\text{g})$	238.5
$\text{N}_2\text{O}(\text{g})$	220.0
$\text{N}_2\text{O}_2(\text{g})$	287.5
$\text{N}_2\text{O}_3(\text{g})$	312.2
$\text{N}_2\text{O}_4(\text{s})$	150.3
$\text{N}_2\text{O}_4(\text{l})$	209.2
$\text{N}_2\text{O}_4(\text{g})$	304.2
$\text{N}_2\text{O}_5(\text{s})$	347.2
$\text{N}_3^-(\text{aq})$	107.9
$\text{Na}(\text{s})$	51.2
$\text{Na}(\text{l})$	57.9
$\text{Na}(\text{g})$	153.7
$\text{Na}^+(\text{aq})$	58.5
$\text{Na}_2\text{B}_4\text{O}_7(\text{s})$	189.5
$\text{Na}_2\text{CO}_3(\text{s})$	135.0
$\text{Na}_2\text{O}(\text{s})$	75.1
$\text{Na}_2\text{O}_2(\text{s})$	94.8
$\text{Na}_2\text{S}(\text{s})$	97.9
$\text{Na}_2\text{SiO}_3(\text{s})$	113.8
$\text{Na}_2\text{SO}_3(\text{s})$	146.0
$\text{Na}_2\text{SO}_4(\text{s})$	149.6
$\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}(\text{s})$	592.9
$\text{Na}_2\text{WO}_4(\text{s})$	160.2
$\text{Na}_3\text{AlCl}_6(\text{s})$	347.3

$\text{Na}_3\text{AlF}_6(\text{s})$	cryolite	238.5
$\text{Na}_3\text{AlF}_6(\text{l})$		286.6
$\text{NaAlCl}_4(\text{s})$		188.3
$\text{NaAlO}_2(\text{s})$		70.4
$\text{NaBH}_4(\text{s})$		101.4
$\text{NaBO}_2(\text{s})$		73.5
$\text{NaBr}(\text{s})$		86.8
$\text{NaBr}(\text{g})$		241.2
$\text{NaBr}(\text{aq})$		141.4
$\text{NaCl}(\text{s})$		72.1
$\text{NaCl}(\text{g})$		229.8
$\text{NaCl}(\text{aq})$		115.5
$\text{NaClO}_4(\text{s})$		142.3
$\text{NaCN}(\text{s})$		115.6
$\text{NaF}(\text{s})$		51.2
$\text{NaF}(\text{aq})$		45.2
$\text{NaH}(\text{g})$		188.0
$\text{NaH}(\text{s})$		40.0
$\text{NaHCO}_3(\text{s})$		102.1
$\text{NaI}(\text{s})$		98.3
$\text{NaN}_3(\text{s})$		96.9
$\text{NaNO}_3(\text{s})$		116.5
$\text{NaNO}_3(\text{aq})$		205.4
$\text{NaOH}(\text{s})$		64.4
$\text{NaOH}(\text{l})$		75.9

NaOH(aq)		48.1
NaOH•H ₂ O(s)		84.5
Ne(g)		146.3
NF ₃ (g)		260.8
NH(g)	imidogen	181.1
NH ₂ (g)	amidogen	194.6
NH ₃ (aq)		111.0
NH ₃ (g)		192.3
NH ₄ ⁺ (aq)		111.2
NH ₄ Al(SO ₄) ₂ (s)		216.3
NH ₄ Br(s)		113.0
NH ₄ Cl(s)		94.6
NH ₄ Cl(aq)		169.9
NH ₄ ClO ₄ (s)		184.2
NH ₄ F(s)		72.0
NH ₄ H ₂ AsO ₄ (s)		172.0
NH ₄ H ₂ PO ₄ (s)		152.0
NH ₄ HCO ₃ (s)		120.9
NH ₄ HF ₂ (s)		115.5
NH ₄ HS(s)		97.5
NH ₄ HSe(s)		96.7
NH ₄ I(s)		117.2
NH ₄ N ₃ (s)		112.5
NH ₄ NO ₃ (s)		151.1
NH ₄ NO ₃ (aq)		259.8

$\text{NH}_4\text{OH}(\text{l})$		165.6
$\text{NH}_4\text{ReO}_4(\text{s})$		232.6
$\text{NH}_4\text{VO}_3(\text{s})$		140.6
$\text{Ni}(\text{CN})_4^{2-}(\text{aq})$		217.6
$\text{Ni}(\text{CO})_4(\text{l})$		313.4
$\text{Ni}(\text{CO})_4(\text{g})$		410.5
$\text{Ni}(\text{g})$		182.2
$\text{Ni}(\text{IO}_3)_2(\text{s})$		213.4
$\text{Ni}(\text{OH})_2(\text{s})$		88.0
$\text{Ni}(\text{s})$		29.9
$\text{Ni}^{2+}(\text{aq})$		-128.9
$\text{Ni}_2\text{O}_3(\text{s})$		
$\text{Ni}_3\text{S}_2(\text{s})$		133.9
$\text{NiCl}_2(\text{s})$		97.7
$\text{NiCl}_2 \cdot 2\text{H}_2\text{O}(\text{s})$		175.7
$\text{NiCl}_2 \cdot 4\text{H}_2\text{O}(\text{s})$		242.7
$\text{NiCl}_2 \cdot 6\text{H}_2\text{O}(\text{s})$		344.3
$\text{NiF}_2(\text{s})$		73.6
$\text{NiO}(\text{s})$		38.0
$\text{NiS}(\text{s})$		53.0
$\text{NiSO}_4(\text{s})$		97.1
$\text{NiSO}_4 \cdot 6\text{H}_2\text{O}(\text{s})$	tetrahedral	332.2
$\text{NiSO}_4 \cdot 7\text{H}_2\text{O}(\text{s})$		378.9
$\text{NO}(\text{g})$		210.8
$\text{NO}_2(\text{g})$		240.1

$\text{NO}_2^-(\text{aq})$		140.2
$\text{NO}_2\text{Cl}(\text{g})$		272.0
$\text{NO}_2\text{F}(\text{g})$		260.2
$\text{NO}_3(\text{g})$		252.5
$\text{NO}_3^-(\text{aq})$		146.4
$\text{NOBr}(\text{g})$		273.5
$\text{NOCl}(\text{g})$		261.7
$\text{NOF}(\text{g})$		248.0
$\text{NOF}_3(\text{g})$		278.4
$\text{O}(\text{g})$		161.1
$\text{O}_2(\text{g})$		205.1
$\text{O}_2\text{F}_2(\text{g})$		268.1
$\text{O}_3(\text{g})$		238.9
$\text{OCN}^-(\text{aq})$		106.7
$\text{OF}(\text{g})$		217.7
$\text{OF}_2(\text{g})$		247.3
$\text{OH}^-(\text{aq})$		-10.9
$\text{Os}(\text{s})$		32.6
$\text{Os}(\text{g})$		192.6
$\text{OsO}_4(\text{s})$		143.9
$\text{OsO}_4(\text{g})$		293.8
$\text{P}(\text{s})$	red	22.8
$\text{P}(\text{s})$	white	41.1
$\text{P}(\text{l})$	red V	42.9
$\text{P}(\text{g})$	red V	163.1

$P_2(g)$		218.1
$P_4(s)$	red	91.2
$P_4(s)$	white	164.4
$P_4(g)$		280.0
$P_2H_4(l)$		167.4
$P_2O_7^{4-}(aq)$		-117.2
$P_4O_{10}(s)$		228.9
$P_4S_3(s)$		200.8
$P_4S_3(l)$		207.1
$P_4S_3(g)$		319.2
$Pb(s)$		64.8
$Pb(l)$		71.7
$Pb(g)$		175.3
$Pb^{2+}(aq)$		10.5
$Pb(IO_3)_2(s)$		313.0
$Pb(N_3)_2(s)$	monoclinic	148.1
$Pb(N_3)_2(s)$	orthorhombic	149.4
$Pb(NO_3)_2(aq)$		303.3
$Pb(ReO_4)_2 \cdot 2H_2O$		309.6
$Pb_2SiO_4(s)$		187.0
$Pb_3(PO_4)_2(s)$		353.1
$Pb_3O_4(s)$		212.1
$PbB_2O_4(s)$		130.5
$PbB_4O_7(s)$		166.9
$PbBr_2(s)$		161.1

PbBr ₂ (l)		173.9
PbBr ₂ (g)		339.3
PbBr ₄ (g)		426.1
PbC ₂ O ₄ (s)		146.0
PbCl ₂ (s)		136.0
PbCl ₂ (l)		153.2
PbCl ₂ (g)		317.1
PbCl ₄ (g)		381.5
PbClF(s)		121.8
PbCO ₃ (s)		131.0
PbF ₂ (s)	alpha	113.0
PbF ₂ (s)	beta	114.4
PbF ₄ (g)		333.5
PbI ₂ (s)		174.8
PbI ₂ (l)		198.9
PbI ₄ (g)		466.1
PbO(s)	red	66.5
PbO•PbCO ₃ (s)		204.2
PbO ₂ (s)		68.6
PBr ₃ (l)		240.2
PBr ₃ (g)		348.0
PbS(s)		91.2
PbSe(s)		102.5
PbSeO ₄ (s)		167.8
PbSiO ₃ (s)		110.0

$\text{PbSiO}_4(\text{s})$	84.0
$\text{PbSO}_4(\text{s})$	148.5
$\text{PbTe}(\text{s})$	110.0
$\text{PCl}_3(\text{l})$	217.1
$\text{PCl}_3(\text{g})$	311.8
$\text{PCl}_5(\text{g})$	364.6
$\text{PF}_3(\text{g})$	273.1
$\text{PF}_5(\text{g})$	300.8
$\text{PH}_3(\text{g})$	310.2
$\text{PH}_4\text{Br}(\text{s})$	110.0
$\text{PH}_4\text{I}(\text{s})$	123.0
$\text{PN}(\text{g})$	211.1
$\text{Po}(\text{g})$	188.8
$\text{PO}_4^{3-}(\text{aq})$	-221.8
$\text{POBr}_3(\text{g})$	359.7
$\text{POCl}_2\text{F}(\text{g})$	320.3
$\text{POCl}_3(\text{g})$	325.3
$\text{POCl}_3(\text{l})$	222.5
$\text{POCl}_3(\text{g})$	325.5
$\text{POClF}_2(\text{g})$	301.6
$\text{POF}_3(\text{g})$	285.3
$\text{PSBr}_3(\text{g})$	372.7
$\text{PSCl}_3(\text{g})$	337.2
$\text{PSF}_3(\text{g})$	298.0
$\text{Ra}(\text{s})$	71.1

Ra(g)		176.4
Ra(IO ₃) ₂ (s)		272.0
Ra(NO ₃) ₂ (s)		221.8
RaCl ₂ •2H ₂ O(s)		213.4
RaSO ₄ (s)		138.1
Rb(s)		76.8
Rb(g)		170.1
RbBr(s)		104.9
RbCl(s)		95.9
RbClO ₃ (s)		151.9
RbClO ₄ (s)		160.7
RbI(s)		118.0
Rn(g)		176.1
S(s)	rhombic	31.9
S(l)		35.1
S(g)		167.7
S ²⁻ (aq)		-14.6
S ₂ (g)		228.1
S ₈ (g)		430.2
S ₂ Cl ₂ (g)		331.5
Se(s)		42.4
Se(g)		176.7
SF ₂ Cl(g)		319.1
SF ₄ (g)		291.1
SF ₆ (g)		291.8

Si(s)		18.8
Si(g)		168.0
Si ₂ (g)		229.8
Si ₂ H ₆ (g)		272.5
Si ₃ N ₄ (s)		113.0
SiBr ₄ (g)		377.8
SiBr ₄ (l)		277.8
SiC(s)		16.6
SiC(g)		236.6
SiCl ₂ (g)		280.3
SiCl ₄ (g)		330.6
SiCl ₄ (l)		239.7
SiF(g)		225.7
SiF ₂ (g)		256.8
SiF ₄ (g)		282.5
SiH ₃ Cl(g)		250.5
SiH ₃ F(g)		238.3
SiH ₄ (g)		204.6
SiHCl ₃ (l)		227.6
SiN(g)		216.6
SiO ₂ (s)	cristobalite	42.7
SiO ₂ (s)	quartz	41.8
SiO ₂ (s)	amorphous	46.9
SiO ₂ (s)	tridymite	43.5
SiOF ₂ (g)		271.2

SiS(g)		223.6
SiS ₂ (s)		80.3
Sn(s)	white	51.5
Sn(s)	gray	44.1
Sn ²⁺ (aq)		-17.4
SnBr ₄ (s)		264.4
SnBr ₄ (g)		411.8
SnCl ₄ (l)		258.6
SnCl ₄ (g)		365.8
SnH ₄ (g)		227.6
SnO(s)		56.5
SnO ₂ (s)		52.3
SnS(s)		77.0
SO(g)		221.8
SO ₂ (g)		248.2
SO ₂ Cl ₂ (g)		311.8
SO ₂ F ₂ (g)		283.9
SO ₃ (s)	beta	52.3
SO ₃ (l)		95.6
SO ₃ (g)		256.8
SO ₃ ²⁻ (aq)		-29.3
SO ₄ ²⁻ (aq)		18.5
SOCl ₂ (g)		309.8
SOCl ₂ (g)		309.8
Sr(s)		52.3

Sr(l)		57.2
Sr(g)		164.5
$\text{Sr(BrO}_3)_2 \cdot \text{H}_2\text{O(s)}$		280.3
$\text{Sr(IO}_3)_2\text{(s)}$		234.3
$\text{Sr(IO}_3)_2 \cdot 6\text{H}_2\text{O(s)}$		456.1
$\text{Sr(NO}_3)_2\text{(s)}$		194.6
$\text{Sr(NO}_3)_2 \cdot 4\text{H}_2\text{O(s)}$		369.0
$\text{Sr}_2\text{SiO}_4\text{(s)}$		153.1
$\text{Sr}_2\text{TiO}_4\text{(s)}$		159.0
$\text{Sr}_3(\text{AsO}_4)_2\text{(s)}$		255.2
$\text{SrBr}_2\text{(s)}$		143.4
$\text{SrBr}_2 \cdot 6\text{H}_2\text{O(s)}$		405.8
$\text{SrCl}_2\text{(s)}$		114.9
$\text{SrCl}_2 \cdot 2\text{H}_2\text{O(s)}$		217.6
$\text{SrCl}_2 \cdot 6\text{H}_2\text{O(s)}$		390.8
$\text{SrCO}_3\text{(s)}$	strontianite	97.1
$\text{SrF}_2\text{(s)}$		82.1
$\text{SrHPO}_4\text{(s)}$		121.4
$\text{SrI}_2\text{(s)}$		159.1
SrO(s)		55.5
SrS(s)		68.2
$\text{SrSiO}_3\text{(s)}$		96.7
$\text{SrSO}_4\text{(s)}$		117.6
$\text{SrTiO}_3\text{(s)}$		108.8
$\text{SrWO}_4\text{(s)}$		138.1

$\text{SrZrO}_3(\text{s})$		115.1
$\text{Ti}(\text{s})$		30.7
$\text{Ti}(\text{g})$		180.3
$\text{Ti}_2\text{O}_3(\text{s})$		78.8
$\text{Ti}_3\text{O}_5(\text{s})$	alpha	129.3
$\text{Ti}_4\text{O}_7(\text{s})$		198.7
$\text{TiB}(\text{s})$		34.7
$\text{TiB}_2(\text{s})$		28.5
$\text{TiCl}_4(\text{s})$		208.8
$\text{TiBr}_2(\text{s})$		108.4
$\text{TiBr}_3(\text{s})$		176.4
$\text{TiBr}_4(\text{s})$		243.6
$\text{TiBr}_4(\text{l})$		284.2
$\text{TiBr}_4(\text{g})$		398.9
$\text{TiC}(\text{s})$		24.2
$\text{TiCl}_2(\text{s})$		87.4
$\text{TiCl}_3(\text{s})$		139.7
$\text{TiCl}_4(\text{l})$		252.3
$\text{TiCl}_4(\text{g})$		354.9
$\text{TiF}_2(\text{g})$		255.2
$\text{TiF}_3(\text{s})$		87.9
$\text{TiF}_4(\text{s})$		134.0
$\text{TiF}_4(\text{g})$		314.6
$\text{TiH}_2(\text{s})$		29.7
$\text{TiI}_2(\text{s})$		121.3

TiI ₃ (s)		192.5
TiI ₄ (s)		246.0
TiI ₄ (l)		311.8
TiN(s)		30.3
TiO(s)	alpha	34.8
TiO ₂ (s)	rutile	50.3
TiO ₂ (s)	anatase	49.9
TiOCl ₂ (g)		320.9
TiOF ₂ (g)		284.6
U(s)		50.2
U(g)		199.8
U ₂ N ₃ (s)		121.3
UBr ₃ (s)		205.0
UBr ₄ (s)		234.3
UCl ₃ (s)		159.0
UCl ₄ (s)		198.3
UCl ₅ (s)		242.7
UCl ₆ (s)		285.8
UF ₃ (s)		117.2
UF ₄ (s)		151.0
UF ₄ (g)		368.0
UF ₅ (s)		197.9
UF ₆ (s)		227.6
UF ₆ (g)		377.9
UH ₃ (s)		63.9

$\text{U}(\text{s})$	234.3
$\text{U}_2(\text{s})$	280.3
$\text{UCl}_3(\text{s})$	225.9
$\text{UN}(\text{s})$	62.3
$\text{UO}_2(\text{s})$	77.0
$\text{UO}_2(\text{g})$	274.6
$\text{UO}_2(\text{NO}_3)_2(\text{s})$	276.1
$\text{UO}_2(\text{NO}_3)_2 \cdot 2\text{H}_2\text{O}(\text{s})$	355.6
$\text{UO}_2(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}(\text{s})$	393.3
$\text{UO}_2(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}(\text{s})$	505.6
$\text{UO}_2(\text{NO}_3)_2 \cdot \text{H}_2\text{O}(\text{s})$	318.0
$\text{UO}_2\text{SO}_4 \cdot 3\text{H}_2\text{O}(\text{s})$	263.6
$\text{UO}_3(\text{s})$	98.6
$\text{V}(\text{s})$	28.9
$\text{V}(\text{g})$	182.3
$\text{V}_2\text{O}_5(\text{s})$	131.0
$\text{VCl}_3(\text{s})$	131.0
$\text{VCl}_4(\text{l})$	255.0
$\text{VCl}_4(\text{g})$	362.4
$\text{W}(\text{s})$	32.7
$\text{W}(\text{l})$	45.7
$\text{W}(\text{g})$	173.8
$\text{W}_3\text{O}_8(\text{g})$	493.7
$\text{WBr}_5(\text{s})$	272.0
$\text{WBr}_6(\text{s})$	313.8

$\text{WCl}_2(\text{s})$		130.5
$\text{WCl}_4(\text{s})$		198.3
$\text{WCl}_5(\text{s})$		217.6
$\text{WCl}_6(\text{s})$		238.5
$\text{WF}_6(\text{l})$		249.4
$\text{WF}_6(\text{g})$		347.7
$\text{WO}_2(\text{s})$		50.5
$\text{WO}_2\text{Cl}_2(\text{s})$		200.8
$\text{WO}_3(\text{s})$		75.9
$\text{WOCl}_4(\text{s})$		172.8
$\text{WOCl}_4(\text{g})$		377.0
$\text{WOF}_4(\text{g})$		334.7
$\text{Xe}(\text{g})$		169.7
$\text{Zn}(\text{ClO}_4)_2 \cdot 6\text{H}_2\text{O}$		545.6
$\text{Zn}(\text{s})$		41.6
$\text{Zn}(\text{g})$		161.0
$\text{Zn}^{2+}(\text{aq})$		-112.1
$\text{Zn}(\text{NO}_3)_2(\text{s})$		
$\text{Zn}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}(\text{s})$		456.9
$\text{Zn}(\text{OH})_2(\text{s})$	beta	81.2
$\text{Zn}(\text{OH})_2(\text{s})$	epsilon	81.6
$\text{Zn}_2\text{SiO}_4(\text{s})$		-1523.2
$\text{ZnBr}_2(\text{s})$		138.5
$\text{ZnBr}_2 \cdot 2\text{H}_2\text{O}(\text{s})$		198.7
$\text{ZnC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}(\text{s})$		195.4

$\text{ZnCl}_2(\text{s})$		111.5
$\text{ZnCO}_3(\text{s})$		82.4
$\text{ZnF}_2(\text{s})$		73.7
$\text{ZnI}_2(\text{s})$		161.1
$\text{ZnO}(\text{s})$		43.6
$\text{ZnS}(\text{s})$	sphalerite	57.7
$\text{ZnSe}(\text{s})$		83.7
$\text{ZnSeO}_3 \cdot \text{H}_2\text{O}(\text{s})$		163.2
$\text{ZnSO}_4(\text{s})$		110.5
$\text{ZnSO}_4 \cdot \text{H}_2\text{O}(\text{s})$		138.5
$\text{ZnSO}_4 \cdot 6\text{H}_2\text{O}(\text{s})$		363.6
$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}(\text{s})$		388.7
$\text{Zr}(\text{s})$		39.0
$\text{Zr}(\text{g})$		181.4
$\text{ZrCl}_2(\text{s})$		110.0
$\text{ZrCl}_4(\text{s})$		181.6