

Heat of Fusion of the Elements

Element		Number	Heat of Fusion (kJ/mol)	Element		Number	Heat of Fusion (kJ/mol)
H	Hydrogen	1	0.558	Ga	Gallium	31	5.59
He	Helium	2	0.02	Ge	Germanium	32	31.8
Li	Lithium	3	3	As	Arsenic	33	27.7
Be	Beryllium	4	7.95	Se	Selenium	34	5.4
B	Boron	5	50	Br	Bromine	35	5.8
C	Carbon	6	105	Kr	Krypton	36	1.64
N	Nitrogen	7	0.36	Rb	Rubidium	37	2.19
O	Oxygen	8	0.222	Sr	Strontium	38	8
F	Fluorine	9	0.26	Y	Yttrium	39	11.4
Ne	Neon	10	0.34	Zr	Zirconium	40	21
Na	Sodium	11	2.6	Nb	Niobium	41	26.8
Mg	Magnesium	12	8.7	Mo	Molybdenum	42	36
Al	Aluminum	13	10.7	Tc	Technetium	43	23
Si	Silicon	14	50.2	Ru	Ruthenium	44	25.7
P	Phosphorus	15	0.64	Rh	Rhodium	45	21.7
S	Sulfur	16	1.73	Pd	Palladium	46	16.7
Cl	Chlorine	17	3.2	Ag	Silver	47	11.3
Ar	Argon	18	1.18	Cd	Cadmium	48	6.3
K	Potassium	19	2.33	In	Indium	49	3.26
Ca	Calcium	20	8.54	Sn	Tin	50	7
Sc	Scandium	21	16	Sb	Antimony	51	19.7
Ti	Titanium	22	18.7	Te	Tellurium	52	17.5
V	Vanadium	23	22.8	I	Iodine	53	7.76
Cr	Chromium	24	20.5	Xe	Xenon	54	2.3
Mn	Manganese	25	13.2	Cs	Cesium	55	2.09
Fe	Iron	26	13.8	Ba	Barium	56	8
Co	Cobalt	27	16.2	La	Lanthanum	57	6.2
Ni	Nickel	28	17.2	Ce	Cerium	58	5.5
Cu	Copper	29	13.1	Pr	Praseodymium	59	6.9
Zn	Zinc	30	7.35	Nd	Neodymium	60	7.1

Heat of Fusion of the Elements

Element		Number	Heat of Fusion (kJ/mol)	Element		Number	Heat of Fusion (kJ/mol)
Pm	Promethium	61	7.7	Pa	Protactinium	91	15
Sm	Samarium	62	8.6	U	Uranium	92	14
Eu	Europium	63	9.2	Np	Neptunium	93	10
Gd	Gadolinium	64	10	Pu	Plutonium	94	N/A
Tb	Terbium	65	10.8	Am	Americium	95	N/A
Dy	Dysprosium	66	11.1	Cm	Curium	96	N/A
Ho	Holmium	67	17	Bk	Berkelium	97	N/A
Er	Erbium	68	19.9	Cf	Californium	98	N/A
Tm	Thulium	69	16.8	Es	Einsteinium	99	N/A
Yb	Ytterbium	70	7.7	Fm	Fermium	100	N/A
Lu	Lutetium	71	22	Md	Mendelevium	101	N/A
Hf	Hafnium	72	25.5	No	Nobelium	102	N/A
Ta	Tantalum	73	36	Lr	Lawrencium	103	N/A
W	Tungsten	74	35	Rf	Rutherfordium	104	N/A
Re	Rhenium	75	33	Db	Dubnium	105	N/A
Os	Osmium	76	31	Sg	Seaborgium	106	N/A
Ir	Iridium	77	26	Bh	Bohrium	107	N/A
Pt	Platinum	78	20	Hs	Hassium	108	N/A
Au	Gold	79	12.5	Mt	Meitnerium	109	N/A
Hg	Mercury	80	2.29	Ds	Darmstadtium	110	N/A
Tl	Thallium	81	4.2	Rg	Roentgenium	111	N/A
Pb	Lead	82	4.77	Cn	Copernicium	112	N/A
Bi	Bismuth	83	10.9	Nh	Nihonium	113	N/A
Po	Polonium	84	13	Fl	Flerovium	114	N/A
At	Astatine	85	6	Mc	Moscovium	115	N/A
Rn	Radon	86	3	Lv	Livermorium	116	N/A
Fr	Francium	87	2	Ts	Tennessine	117	N/A
Ra	Radium	88	8	Og	Oganesson	118	N/A
Ac	Actinium	89	14				
Th	Thorium	90	16				