

Elements	Melting Point (°C)	Boiling Point (°C)	Latent Heat of Fusion (kJ/kg)	Latent Heat of Vaporization (kJ/kg)
Aluminum	660	2519	397	10,900
Argon	189	186	29.5	161
Bismuth	271	1564	54	723
Bromine (Br <sub>2</sub> )	7	59	132	375
Chlorine (Cl <sub>2</sub> )	102	34	181	576
Copper	1084	2562	209	4730
Gold	1064	2856	63.7	1645
Helium	n/a	269	3.45	20.7
Hydrogen (H <sub>2</sub> )	259	253	59.5	445
Iron	1538	2861	247	6090
Krypton	-157	-153	16.3	108
Lead	327	1749	23	866
Lithium	181	1342	432	21,200
Mercury	39	357	11.4	295
Neon	249	246	16.8	84.8
Nickel	1455	2913	298	6430
Nitrogen (N <sub>2</sub> )	210	196	25.3	199
Oxygen (O <sub>2</sub> )	219	183	13.7	213
Plutonium (ε)	640	3228	11.6	1370
Silicon	1414	3265	1790	12,800
Silver	962	2162	105	2390
Sodium	98	883	113	4240
Sulfur	115	445	53.6	1400
Tin	231	2602	59.2	2490
Titanium	1668	3287	296	8880
Tungsten	3422	5555	285	4390
Uranium	1135	4131	38.4	1750
Zinc	420	907	112	1890

Compounds	Melting Point (°C)	Boiling Point (°C)	Latent Heat of Fusion (kJ/kg)	Latent Heat of Vaporization (kJ/kg)
Alcohol, Ethyl	130	78		
Alcohol, Methyl	97	64.7		
Aammonia	77.7	33.3		
Butane	138.4	0.5	80.2	
Carbon dioxide	n/a	n/a	571	205
Ethane	172	89	95.1	
Freon 12, 30	158	29.8		166.2
Freon 12,0	158	29.8		152.8
Freon 12, +30	158	29.8		136.3
Methane	182	164	58.4	112
Propane	188	44.5	80.1	
Water, 0	0	100	334	2501
Water, 25	0	100		2441
Water, 100	0	100		2258
Wax, Beeswax	62			

Foods	Melting Point (°C)	Boiling Point (°C)	Latent Heat of Fusion (kJ/kg)	Latent Heat of Vaporization (kJ/kg)
Butter	32~35		60	
Lard	41			
Margarine	34~37			
Margarine	38~43			
Oil, Cocoa Butter	34			
Oil, Coconut	24			
Oil, Corn	20 15			
Oil, Olive	6		267	
Oil, Palm	~35			
Oil, Peanut	3		22	
Oil, Soya	16 13			
Shortening, Vegetable	44~50			
Sugar, Fructose	104			
Sugar, Glucose	146			
Sugar, Sucrose	186			