

PHYSICAL CONSTANTS OF SOME ELEMENTS

Formula	CAS Reg No.	Mol. Weight	Physical Form	mp/°C	bp/°C	Density g cm ⁻³
Al	7429-90-5	26.982	silv-wh metal cub cry	660.32	2519	2.70
Sb	7440-36-0	121.760	silv metal hex	630.63	1587	6.68
As	7440-38-2	74.922	gray metal rhomb	817 p (3.70 MPa)	603 sp	5.75
Ba	7440-39-3	137.327	silv-yel metal cub	727	1897	3.62
Be	7440-41-7	9.012	hex	1287	2471	1.85
Bi	7440-69-9	208.980	gray-wh soft metal	271.40	1564	9.79
Br ₂	7726-95-6	159.808	red liq	-7.2	58.8	3.1028
Cd	7440-43-9	112.411	silv-wh metal	321.07	767	8.69
Ca	7440-70-2	40.078	silv-wh metal	842	1484	1.54
Ce	7440-45-1	140.116	silv metal cub or hex	798	3443	6.770
Cs	7440-46-2	132.905	silv-wh metal	28.5	671	1.93
Cr	7440-47-3	51.996	blue-wh metal cub	1907	2671	7.15
Co	7440-48-4	58.933	gray metal hex or cub	1495	2927	8.86
Cu	7440-50-8	63.546	red metal cub	1084.62	2562	8.96
Eu	7440-53-1	151.964	soft silv metal cub	822	1529	5.24
Fr	7440-73-5	223	short-lived alkali metal	27		
Gd	7440-54-2	157.25	silv metal hex	1313	3273	7.90
Ga	7440-55-3	69.723	silv liq or gray orth cry	29.771 p	2204	5.91
Ge	7440-56-4	72.61	gray-wh cub cry	938.25	2833	5.3234
Au	7440-57-5	196.967	soft yellow metal	1064.18	2856	19.3
Hf	7440-58-6	178.49	gray metal hex	2233	4603	13.3
In	7440-74-6	114.818	soft white metal	156.60	2072	7.31
Fe	7439-89-6	55.845	silv-wh or gray metal	1538	2861	7.87
La	7439-91-0	138.906	silv metal hex	918	3464	6.15
Pb	7439-92-1	207.2	soft silv-gray metal cub	327.46	1749	11.3
Li	7439-93-2	6.941	soft silv-white metal	180.50	1342	0.534
Mg	7439-95-4	24.305	silv-wh metal	650	1090	1.74
Mn	7439-96-5	54.938	hard gray metal	1246	2061	7.3
Hg	7439-97-6	200.59	heavy silv liq	-38.837 p	356.73	13.5336
Mo	7439-98-7	95.94	gray-black metal cub	2623	4639	10.2
Ni	7440-02-0	58.693	white metal cub	1455	2913	8.90
Nb	7440-03-1	92.906	gray metal cub	2477	4744	8.57
Os	7440-04-2	190.23	blue-wh metal hex	3033	5012	22.59
Pd	7440-05-3	106.42	silv-wh metal cub	1554.9	2963	12.0
Pt	7440-06-4	195.08	silv-gray metal cub	1768.4	3825	21.5
K	7440-09-7	39.098	soft silv-white metal cub	63.5	759	0.89
Re	7440-15-5	186.207	silv-gray metal	3186	5596	20.8
Rb	7440-17-7	85.468	soft silv metal cub	39.30	688	1.53
Se	7782-49-2	78.96	gray metallic cry; hex	220.5	685	4.81
Ag	7440-22-4	107.868	silv metal cub	961.78	2162	10.5
Na	7440-23-5	22.990	soft silv metal cub	97.80	883	0.97
Sr	7440-24-6	87.62	silv-wh metal cub	777	1382	2.64
Tc	7440-26-8	98	hex cry	2157	4265	11
Tl	7440-28-0	204.383	soft blue-wh metal	304	1473	11.8
Sn	7440-31-5	118.710	cub cry	trans to white Sn 13.2	2602	5.769
Ti	7440-32-6	47.867	gray metal hex	1668	3287	4.506
W	7440-33-7	183.84	gray-wh metal cub	3422	5555	19.3
U	7440-61-1	238.029	silv-wh orth cry	1135	4131	19.1
V	7440-62-2	50.942	gray-wh metal cub	1910	3407	6.0
Zn	7440-66-6	65.39	blue-wh metal hex	419.53	907	7.14
Zr	7440-67-7	91.224	gray-wh metal hex	1855	4409	6.52

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