

Atomic Number	name	Element Symbol	Atomic Radius [Å]	Boiling-point [deg C]	Density [g/cm ³ at 20 deg C]	Electro-negativity	Ionization Energy [kJ/mol]	Melting point
1	hydrogen	H	0.53	-253	0.09	2.2	1312	-259
2	helium	He	0.31	-269	0.18		2372.3	-272
3	lithium	Li	1.67	1347	0.53	0.98	520.2	180
4	beryllium	Be	1.12	2970	1.85	1.57	899.5	1278
5	boron	B	0.87	2550	2.34	2.04	800.6	2300
6	carbon	C	0.67	4827	2.26	2.55	1086.5	3500
7	nitrogen	N	0.56	-196	1.25	3.04	1402.3	-210
8	oxygen	O	0.48	-183	1.43	3.44	1313.9	-218
9	fluorine	F	0.42	-188	1.7	3.98	1681	-220
10	neon	Ne	0.38	-246	0.9		2080.7	-249
11	sodium	Na	1.9	883	0.97	0.93	495.8	98
12	magnesium	Mg	1.45	1090	1.74	1.31	737.7	639
13	aluminium	Al	1.18	2467	2.7	1.61	577.5	660
14	silicon	Si	1.11	2355	2.33	1.9	786.5	1410
15	phosphorus	P	0.98	280	1.82	2.19	1011.8	44
16	sulfur	S	0.88	445	2.07	2.58	999.6	113
17	chlorine	Cl	0.79	-35	3.21	3.16	1251.2	-101
18	argon	Ar	0.71	-186	0.86		1520.6	-189
19	potassium	K	2.43	774	1.78	1	418.8	64
20	calcium	Ca	1.94	1484	1.55	1.36	589.8	839
21	scandium	Sc	1.84	2832	3	1.54	633.1	1539
22	titanium	Ti	1.76	3287	4.54	1.63	658.8	1660
23	vanadium	V	1.71	3380	6.11	1.66	650.9	1890
24	chromium	Cr	1.66	2672	7.19	1.55	652.9	1857
25	manganese	Mn	1.61	1962	7.43	1.83	717.3	1245
26	iron	Fe	1.56	2750	7.87	1.88	762.5	1535
27	cobalt	Co	1.52	2870	8.9	1.91	760.4	1495
28	nickel	Ni	1.49	2732	8.9	1.9	737.1	1453
29	copper	Cu	1.45	2567	8.96	1.65	745.5	1083
30	zinc	Zn	1.42	907	7.13	1.81	906.4	420
31	gallium	Ga	1.36	2403	5.91	2.01	578.8	30
32	germanium	Ge	1.25	2830	5.32		762	937
33	arsenic	As	1.14	613	5.72	2.18	947	81
34	selenium	Se	1.03	685	4.79	2.55	941	217
35	bromine	Br	0.94	58.8	3.12		1139.9	-7
36	krypton	Kr	0.88	-153	3.75	2.96	1350.8	-157
37	rubidium	Rb	2.65	688	1.63		403	39
38	strontium	Sr	2.19	1384	2.54	0.82	549.5	769

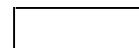
39	yttrium	Y	2.12	3337	4.47	0.95	600	1523
40	zirconium	Zr	2.06	4377	6.51	1.22	640.1	1852
41	niobium	Nb	1.98	4927	8.57	1.33	652.1	2468
42	molybdenum	Mo	1.9	4612	10.22	1.6	684.3	2617
43	technetium	Tc	1.83	4877	11.5	2.16	702	2200
44	ruthenium	Ru	1.78	3900	12.37	1.9	710.2	2250
45	rhodium	Rh	1.73	3727	12.41	2.2	719.7	1966
46	palladium	Pd	1.69	2927	12.02	2.28	804.4	1552
47	silver	Ag	1.65	2212	10.5	2.2	731	962
48	cadmium	Cd	1.61	765	8.65	1.93	867.8	321
49	indium	In	1.56	2000	7.31	1.69	558.3	157
50	tin	Sn	1.45	2270	7.31	1.78	708.6	232
51	antimony	Sb	1.33	1750	6.68	1.96	834	630
52	tellurium	Te	1.23	990	4.93		869.3	449
53	iodine	I	1.15	184	6.24	2.05	1008.4	114
54	xenon	Xe	1.08	-108	5.9	2.1	1170.4	-112
55	caesium	Cs	2.98	678	1.87	2.66	375.7	29
56	barium	Ba	2.53	1140	3.59	2.6	502.9	725
57	lanthanum	La	1.95	3469	6.15	0.79	538.1	920
58	cerium	Ce	1.85	3257	6.77	0.89	534.4	795
59	m	Pr	2.47	3127	6.77	1.1	527	935
60	neodymium	Nd	2.06	3127	7.01	1.12	533.1	1010
61	promethium	Pm	2.05	3000	7.3	1.13	540	1100
62	samarium	Sm	2.38	1900	7.52	1.14	544.5	1072
63	europium	Eu	2.31	1597	5.24		547.1	822
64	gadolinium	Gd	2.33	3233	7.9	1.17	593.4	1311
65	terbium	Tb	2.25	3041	8.23		565.8	1360
66	dysprosium	Dy	2.28	2562	8.55	1.2	573	1412
67	holmium	Ho	2.26	2720	8.8		581	1470
68	erbium	Er	2.26	2510	9.07	1.22	589.3	1522
69	thulium	Tm	2.22	1727	9.32	1.23	596.7	1545
70	ytterbium	Yb	2.22	1466	6.9	1.24	603.4	824
71	lutetium	Lu	2.17	3315	9.84	1.25	523.5	1656
72	hafnium	Hf	2.08	5400	13.31		658.5	2150
73	tantalum	Ta	2	5425	16.65	1.27	761	2996
74	tungsten	W	1.93	5660	19.35	1.3	770	3410
75	rhenium	Re	1.88	5627	21.04	1.5	760	3180
76	osmium	Os	1.85	5027	22.6	2.36	840	3045
77	iridium	Ir	1.8	4527	22.4	1.9	880	2410
78	platinum	Pt	1.77	3827	21.45	2.2	870	1772

79	gold	Au	1.74	2807	19.32	2.2	890.1	1064
80	mercury	Hg	1.71	357	13.55	2.28	1007.1	-39
81	thallium	Tl	1.56	1457	11.85	2.54	589.4	303
82	lead	Pb	1.54	1740	11.35	2	715.6	327
83	bismuth	Bi	1.43	1560	9.75	1.62	703	271
84	polonium	Po	1.35	962	9.3	2.33	812.1	254
85	astatine	At	1.27	337		2.02	887.7±38.59	302
86	radon	Rn	1.2	-62	9.73	2	1037	-71
87	francium	Fr		677		2.2	380	27
88	radium	Ra		1737	5.5		509.3	700
89	actinium	Ac	1.95	3200	10.07	0.7	499	1050
90	thorium	Th	1.8	4790	15.4	0.89	587	1750
91	protactinium	Pa	1.8		11.72	1.1	568	1568
92	uranium	U	1.75	3818	20.2	1.3	597.6	1132
93	neptunium	Np	1.75	3902	18.95	1.5	604.5	640
94	plutonium	Pu	1.75	3235	13.67	1.38	584.7	640
95	americium	Am	1.75	2607	19.84	1.36	578	994
96	curium	Cm			13.5	1.28	581	1340
	berkelium				14.78	1.3	601	986
	californium				15.1	1.3	608	900
	einsteinium					1.3	619	860
	fermium					1.3	627	1527
	mendelevium					1.3	635	
	nobelium					1.3	642	827
	lawrencium					1.3	470	1627
	rutherfordium					1.3	579.9	
	dubnium					1.3	664.8	
	seaborgium						757.4	
	bohrium						742.9	
	hassium						733.3	
	meitnerium						800.8	
	darmstadtium						955.2	
	roentgenium						1022.7	
	copernicium						1154.9	
	ununtrium						704.9	
	flerovium						823.9	
	ununpentium						538.4	
	livermorium						723.6	
	ununseptium						742.9	
	ununoctium						839.4	

[ununennium](#)

[unbinilium](#)

[unbiunium](#)



437.1

578.9

429.4