No.	Atomic Weight	Name/Symbol	T_m (°C)	T_b (°C)	Density (g/cm^3)	Earth Crust(%)	Discovery(Year)	Group	Electron Configuration	Ionization Energy (eV)
2	4.0026	Helium He	-272	-269	0.18		1895	18	$1s^2$	24.5874
10	20.1797	Neon Ne	-249	-246	0.9		1898	18	$[He]2s^2 2p^6$	21.5645
9	18.9984	Fluorine F	-220	-188	1.7	0.029	1886	17	$[He]2s^2 2p^5$	17.4228
18	39.948	Argon Ar	-189	-186	1.78		1894	18	$[Ne]3s^2 3p^6$	15.7596
7	14.0067	Nitrogen N	-210	-196	1.25		1772	15	$[He]2s^2 2p^3$	14.5341
36	83.8	Krypton Kr	-157	-153	3.75		1898	18	$[Ar]3d^{10} 4s^2 4p^6$	13.9996
8	15.9994	Oxygen O	-218	-183	1.43	46.71	1774	16	$[He]2s^2 2p^4$	13.6181
1	1.0079	Hydrogen H	-259	-253	0.09	0.14	1776	1	$1s^1$	13.5984
17	35.453	Chlorine Cl	-101	-35	3.21	0.045	1774	17	$[Ne]3s^2 3p^5$	12.9676
54	131.293	Xenon Xe	-112	-108	5.9		1898	18	$[Kr]4d^{10} 5s^2 5p^6$	12.1298
35	79.904	Bromine Br	-7.3	59	3.12		1826	17	$[Ar]3d^{10} 4s^2 4p^5$	11.8138
6	12.0107	Carbon C	3500	4827	2.26	0.094	ancient	14	$[He]2s^2 2p^2$	11.2603
86	*222	Radon Rn	-71	-62	9.73		1900	18	$[Xe]4f^{14} 5d^{10} 6s^2 6p^6$	10.7485
15	30.9738	Phosphorus P	44	280	1.82	0.13	1669	15	$[Ne]3s^2 3p^3$	10.4867
53	126.9045	Iodine I	114	184	4.93		1811	17	$[Kr]4d^{10} 5s^2 5p^5$	10.4513
80	200.59	Mercury Hg	-39	357	13.55		ancient	12	$[Xe]4f^{14} 5d^{10} 6s^2$	10.4375
16	32.065	Sulfur S	113	445	2.07	0.052	ancient	16	$[Ne]3s^2 3p^4$	10.36
33	74.9216	Arsenic As	816	(subl.)	5.72		1250	15	$[Ar]3d^{10} 4s^2 4p^3$	9.7886
34	78.96	Selenium Se	217	685	4.79		1817	16	$[Ar]3d^{10} 4s^2 4p^4$	9.7524
30	65.39	Zinc Zn	420	907	7.13		ancient	12	$[Ar]3d^{10} 4s^2$	9.3942
4	9.0122	Beryllium Be	1278	2970	1.85		1797	2	$[He]2s^2$	9.3227
85	*210	Astatine At	302	337	8.75		1940	17	$[Xe]4f^{14} 5d^{10} 6s^2 6p^5$	9.3
79	196.9665	Gold Au	1064	2807	19.32		ancient	11	$[Xe]4f^{14} 5d^{10} 6s^1$	9.2255
52	127.6	Tellurium Te	449	990	6.24		1783	16	$[Kr]4d^{10} 5s^2 5p^4$	9.0096
48	112.411	Cadmium Cd	321	765	8.65		1817	12	$[Kr]4d^{10}5s^2$	8.9938
77	192.217	Iridium Ir	2410	4527	22.65		1803	9	$[Xe]4f^{14} 5d^7 6s^2$	8.967
78	195.078	Platinum Pt	1772	3827	21.45		1735	10	$[Xe]4f^{14} 5d^9 6s^1$	8.9587
51	121.76	Antimony Sb	631	1635	6.69		ancient	15	$[Kr]4d^{10} 5s^2 5p^3$	8.6084
76	190.23	Osmium Os	3045	5027	22.59		1803	8	$[Xe]4f^{14} 5d^6 6s^2$	8.4382
84	*209	Polonium Po	254	962	9.20		1898	16	$[Xe]4f^{14} 5d^{10} 6s^2 6p^4$	8.417
46	106.42	Palladium Pd	1552	2927	12.02		1803	10	$[Kr]4d^{10}$	8.3369
5	10.811	Boron B	2300	2550	2.34		1808	13	$[He]2s^2 2p^1$	8.298
14	28.0855	Silicon Si	1412	2355	2.33	27.69	1824	14	$[Ne]3s^2 3p^2$	8.1517
26	55.845	Iron Fe	1535	2750	7.87	4.7	ancient	8	$[Ar]3d^6 4s^2$	7.9024
32	72.64	Germanium Ge	937	2830	5.32		1886	14	$[Ar]3d^{10} 4s^2 4p^2$	7.8994
27	58.9332	Cobalt Co	1495	2870	8.89		1735	9	$[Ar]3d^7 4s^2$	7.881
74	183.84	Tungsten W	3410	5660	19.35		1783	6	$[Xe]4f^{14} 5d^4 6s^2$	7.864
75	186.207	Rhenium Re	3180	5627	21.04		1925	7	$[Xe]4f^{14} 5d^5 6s^2$	7.8335
29	63.546	Copper Cu	1083	2567	8.96		ancient	11	$[Ar]3d^{10} 4s^1$	7.7264
12	24.305	Magnesium Mg	639	1090	1.74	2.08	1809	2	$[Ne]3s^2$	7.6462
28	58.6934	Nickel Ni	1453	2732	8.90	0.019	1751	10	$[Ar]3d^8 4s^2$	7.6398
47	107.8682	Silver Ag	962	2215	10.49		ancient	11	$[Kr]\ 4d^{10} 5s^1$	7.5762
73	180.9479	Tantalum Ta	2996	5425	16.65		1802	5	$[Xe]4f^{14} 5d^3 6s^2$	7.5496

45	102.9055	Rhodium Rh	1966	3727	12.41		1803	9	$[Kr]4d^8 5s^1$	7.4589
25	54.938	Manganese Mn	1244	2030	7.43	0.091	1774	7	$[Ar]3d^5\ 4s^2$	7.434
82	207.2	Lead Pb	327	1740	11.35		ancient	14	$[Xe]4f^{14}\ 5d^{10}\ 6s^2\ 6p^2$	7.4167
44	101.07	Ruthenium Ru	2250	3900	12.37		1844	8	$[Kr]4d^7\ 5s^1$	7.3605
50	118.71	Tin Sn	232	2270	7.31		ancient	14	$[Kr]4d^{10}\ 5s^2\ 5p^2$	7.3439
83	208.9804	Bismuth Bi	271	1560	9.75		ancient	15	$[Xe]4f^{14}\ 5d^{10}\ 6s^2\ 6p^3$	7.2856
43	*98	Technetium Tc	2200	4877	11.50		1937	7	$[Kr]4d^5\ 5s^2$	7.28
42	95.94	Molybdenum Mo	2617	4825	10.22		1782	6	$[Kr]4d^5\ 5s^1$	7.0924
22	47.867	Titanium Ti	1660	3287	4.54	0.62	1791	4	$[Ar]3d^2\ 4s^2$	6.8281
72	178.49	Hafnium Hf	2150	5400	13.31		1923	4	$[Xe]4f^{14}\ 5d^2\ 6s^2$	6.8251
24	51.9961	Chromium Cr	1857	2672	7.19	0.035	1797	6	$[Ar]3d^5\ 4s^1$	6.7665
41	92.9064	Niobium Nb	2468	4927	8.57		1801	5	$[Kr]4d^4\ 5s^1$	6.7589
23	50.9415	Vanadium V	1890	3380	6.11		1830	5	$[Ar]3d^3\ 4s^2$	6.7462
102	*259	Nobelium No	827				1958	Ac	$[Rn]5f^{14}\ 7s^2$	6.65
40	91.224	Zirconium Zr	1852	4377	6.51	0.025	1789	4	$[Kr]4d^2\ 5s^2$	6.6339
101	*258	Mendelevium Md	827				1955	Ac	$[Rn]5f^{13}\ 7s^2$	6.58
21	44.9559	Scandium Sc	1539	2832	2.99		1879	3	$[Ar]3d^1\ 4s^2$	6.5615
100	*257	Fermium Fm	1527				1952	Ac	$[Rn]5f^{12}\ 7s^2$	6.5
99	*252	Einsteinium Es	860				1952	Ac	$[Rn]5f^{11}\ 7s^2$	6.42
90	232.0381	Thorium Th	1750	4790	11.72		1829	Ac	$[Rn]6d^2\ 7s^2$	6.3067
98	*251	Californium Cf	900		15.1		1950	Ac	$[Rn]5f^{10}\ 7s^2$	6.2817
93	*237	Neptunium Np	640	3902	20.2		1940	Ac	$[Rn]5f^4\ 6d^1\ 7s^2$	6.2657
70	173.04	Ytterbium Yb	824	1466	6.97		1878	Ln	$[Xe]4f^{14}\ 6s^2$	6.2542
39	88.9059	Yttrium Y	1523	3337	4.47		1794	3	$[Kr]4d^1\ 5s^2$	6.2173
97	*247	Berkelium Bk	986		14.78		1949	Ac	$[Rn]5f^9\ 7s^2$	6.1979
92	238.0289	Uranium U	1132	3818	18.95		1789	Ac	$[Rn]5f^3\ 6d^1\ 7s^2$	6.1941
69	168.9342	Thulium Tm	1545	1727	9.32		1879	Ln	$[Xe]4f^{13}\ 6s^2$	6.1843
64	157.25	Gadolinium Gd	1311	3233	7.89		1880	Ln	$[Xe]4f^7\ 5d^1\ 6s^2$	6.1501
20	40.078	Calcium Ca	839	1484	1.55	3.65	1808	2	$[Ar]4s^2$	6.1132
81	204.3833	Thallium Tl	303	1457	11.85		1861	13	$[Xe]4f^{14}\ 5d^{10}\ 6s^2\ 6p^1$	6.1082
68	167.259	Erbium Er	1522	2510	9.07		1842	Ln	$[Xe]4f^{12}\ 6s^2$	6.1077
94	*244	Plutonium Pu	640	3235	19.84		1940	Ac	$[Rn]5f^6\ 7s^2$	6.0262
67	164.9303	Holmium Ho	1470	2720	8.78		1867	Ln	$[Xe]4f^{11}\ 6s^2$	6.0215
31	69.723	Gallium Ga	30	2403	5.91		1875	13	$[Ar]3d^{10}\ 4s^2\ 4p^1$	5.9993
96	*247	Curium Cm	1340	3110	13.51		1944	Ac	$[Rn]5f^7\ 6d^1\ 7s^2$	5.9915
13	26.9815	Aluminum Al	660	2467	2.70	8.07	1825	13	$[Ne]3s^2\ 3p^1$	5.9858
95	*243	Americium Am	1176	2607	13.67		1944	Ac	$[Rn]5f^7\ 7s^2$	5.9738
66	162.5	Dysprosium Dy	1412	2562	8.55		1886	Ln	$[Xe]4f^{10}\ 6s^2$	5.9389
91	231.0359	Protactinium Pa	1568	4200	15.37		1913	Ac	$[Rn]5f^2\ 6d^1\ 7s^2$	5.89
65	158.9253	Terbium Tb	1360	3041	8.23		1843	Ln	$[Xe]4f^9 6s^2$	5.8638
49	114.818	Indium In	157	2070	7.31		1863	13	$[Kr]4d^{10}\ 5s^2\ 5p^1$	5.7864
38	87.62	Strontium Sr	769	1384	2.54		1790	2	$[Kr]5s^2$	5.6949
63	151.964	Europium Eu	822	1597	5.24		1901	Ln	$[Xe]4f^7\ 6s^2$	5.6704
62	150.36	Samarium Sm	1072	1900	7.52		1879	Ln	$[Xe]4f^6\ 6s^2$	5.6437

61	*145	Promethium Pm	1100	3000	7.3		1945	Ln	$[Xe]4f^5\ 6s^2$	5.582
57	138.9055	Lanthanum La	920	3469	6.15		1839	3	$[Xe]5d^1\ 6s^2$	5.5769
58	140.116	Cerium Ce	795	3257	6.77		1803	Ln	$[Xe]4f^1\ 5d^1\ 6s^2$	5.5387
60	144.24	Neodymium Nd	1010	3127	7.01		1885	Ln	$[Xe]4f^4 6s^2$	5.525
59	140.9077	Praseodymium Pr	935	3017	6.77		1885	Ln	$[Xe]4f^3\ 6s^2$	5.473
71	174.967	Lutetium Lu	1656	3315	9.84		1907	Ln	$[Xe]4f^{14}\ 5d^1\ 6s^2$	5.4259
3	6.941	Lithium Li	180	1347	0.53		1817	1	$[He]2s^1$	5.3917
88	*226	Radium Ra	700	1737	5.50		1898	2	$[Rn]7s^2$	5.2784
56	137.327	Barium Ba	725	1140	3.59	0.05	1808	2	$[Xe]6s^2$	5.2117
89	*227	Actinium Ac	1050	3200	10.07		1899	3	$[Rn]6d^1\ 7s^2$	5.17
11	22.9897	Sodium Na	98	883	0.97	2.75	1807	1	$[Ne]3s^1$	5.1391
103	*262	Lawrencium Lr	1627				1961	Ac	$[Rn]5f^{14}\ 6d^1\ 7s^2$	4.9
19	39.0983	Potassium K	64	774	0.86	2.58	1807	1	$[Ar]4s^1$	4.3407
37	85.4678	Rubidium Rb	39	688	1.53		1861	1	$[Kr]5s^1$	4.1771
87	*223	Francium Fr	27	677	0.90		1939	1	$[Rn]7s^1$	4.0727
55	132.9055	Cesium Cs	29	678	1.87		1860	1	$[Xe]6s^1$	3.8939

*Most stable isotope