

No.	ElementName	Neut.	ØWeight	ElectronShells	filling	MeltingP.	BoilingP.
89	Actinium	138	227	2,8,18,32,18,9,2	6d1	1050C	3200±300C
13	Aluminum	14	26,98	2,8,3	3p1	660.37C	2467C
95	Americium	148	243,1	2,8,18,32,25,8,2	5f7	994C	2607C
51	Antimony	71	121,8	2,8,18,18,5	5p3	630C	1750C
18	Argon	22	39,95	2,8,8	3p6	-189.3C	-186C
33	Arsenic	42	74,92	2,8,18,5	4p3	817C	613C
85	Astatine	125	210	2,8,18,32,18,7	6p5	302C	337C
56	Barium	81	137,3	2,8,18,18,8,2	6s2	725C	1140C
97	Berkelium	150	247,1	2,8,18,32,26,9,2	5f8	N/A	N/A
4	Beryllium	5	9,012	2,2	2s2	1278C	2970C
222	Bibbium	413	635	2,8,18,32,50,52,32,18,8,2	6h2	N/A	N/A
220	Bibinilium	408	628	2,8,18,32,50,50,32,18,8,2	10s2	N/A	N/A
224	Bibiquadium	416	640	2,8,18,32,50,54,32,18,8,2	6h4	N/A	N/A
223	Bibitrium	414	637	2,8,18,32,50,53,32,18,8,2	6h3	N/A	N/A
221	Bibiunium	410	631	2,8,18,32,50,51,32,18,8,2	6h1	N/A	N/A
202	Binilbium	355	557	2,8,18,32,50,50,32,8,2	9s2	N/A	N/A
209	Binilennium	368	577	2,8,18,32,50,50,32,15,2	8d7	N/A	N/A
206	Binilhexium	362	568	2,8,18,32,50,50,32,12,2	8d4	N/A	N/A
200	Binilnilium	352	552	2,8,18,32,50,50,30,8,2	7f12	N/A	N/A
208	Biniloctium	366	574	2,8,18,32,50,50,32,14,2	8d6	N/A	N/A
205	Binilpentium	361	566	2,8,18,32,50,50,32,11,2	8d3	N/A	N/A
204	Binilquadium	360	564	2,8,18,32,50,50,32,10,2	8d2	N/A	N/A
207	Binilseptium	365	572	2,8,18,32,50,50,32,13,2	8d5	N/A	N/A
203	Biniltrium	357	560	2,8,18,32,50,50,32,9,2	8d1	N/A	N/A
201	Binilunium	355	556	2,8,18,32,50,50,32,8,1	9s1	N/A	N/A
83	Bismuth	126	209	2,8,18,32,18,5	6p3	271.3C	1560±5C
212	Biunbium	373	585	2,8,18,32,50,50,32,18,2	9s2	N/A	N/A
219	Biunennium	407	626	2,8,18,32,50,50,32,18,8,1	10s1	N/A	N/A
216	Biunhexium	381	597	2,8,18,32,50,50,32,18,6	9p4	N/A	N/A
210	Biunnilium	370	580	2,8,18,32,50,50,32,16,2	8d8	N/A	N/A
218	Biunoctium	404	622	2,8,18,32,50,50,32,18,8	9p6	N/A	N/A
215	Biunpentium	378	593	2,8,18,32,50,50,32,18,5	9p3	N/A	N/A
214	Biunquadium	376	590	2,8,18,32,50,50,32,18,4	9p2	N/A	N/A
217	Biunseptium	403	620	2,8,18,32,50,50,32,18,7	9p5	N/A	N/A
213	Biuntrium	376	589	2,8,18,32,50,50,32,18,3	9p1	N/A	N/A
211	Biununium	371	582	2,8,18,32,50,50,32,18,1	9s1	N/A	N/A
107	Bohrium	155	264	2,8,18,32,32,13,2	6d5	N/A	N/A
5	Boron	6	10,81	2,3	2p1	2300C	2550C
35	Bromine	45	79,9	2,8,18,7	4p5	-7.2C	58.78C
48	Cadmium	64	112,4	2,8,18,18,2	5s2	320.9C	765C
55	Caesium	78	132,9	2,8,18,18,8,1	6s1	28.5C	678.4C
20	Calcium	20	40,08	2,8,8,2	4s2	839C	1484.4C
98	Californium	153	251,1	2,8,18,32,28,8,2	5f10	N/A	N/A
6	Carbon	6	12,01	2,4	2p2	3500C	4827C
58	Cerium	82	140,1	2,8,18,20,8,2	4f2	795C	3257C
17	Chlorine	18	35,45	2,8,7	3p5	-100.98C	-34.6C
24	Chromium	28	52	2,8,13,1	3d5	1857C	2672C
27	Cobalt	32	58,93	2,8,15,2	3d7	1495C	2870C
29	Copper	35	63,55	2,8,18,1	3d10	1083C	2567C
96	Curium	151	247	2,8,18,32,25,9,2	6d1	1340C	N/A
105	Dubnium	157	262	2,8,18,32,32,11,2	6d3	N/A	N/A
66	Dysprosium	97	162,5	2,8,18,28,8,2	4f10	1412C	2562C
99	Einsteinium	153	252,1	2,8,18,32,29,8,2	5f11	N/A	N/A
68	Erbium	99	167,3	2,8,18,30,8,2	4f12	1522C	2510C
63	Europium	89	152	2,8,18,25,8,2	4f7	822C	1597C
100	Fermium	157	257,1	2,8,18,32,30,8,2	5f12	N/A	N/A
9	Flourine	10	19	2,7	2p5	-219.62C	-188.14C
87	Francium	136	223	2,8,18,32,18,8,1	7s1	27C	677C
64	Gadolinium	93	157,3	2,8,18,25,9,2	5d1	1311C	3233C
31	Gallium	39	69,72	2,8,18,3	4p1	29.78C	2403C
32	Germanium	41	72,61	2,8,18,4	4p2	937.4C	2830C
79	Gold	118	197	2,8,18,32,18,1	5d10	1064.43C	2807C
72	Hafnium	106	178,5	2,8,18,32,10,2	5d2	2150C	5400C
108	Hassium	157	265	2,8,18,32,32,14,2	6d6	N/A	N/A
2	Helium	2	4,003	2	1s2	-272CC	-268.6C
67	Holmium	98	164,9	2,8,18,29,8,2	4f11	1470C	2720C
1	Hydrogen	0	1,008	1	1s1	-259.14C	-252.87C
49	Indium	66	114,8	2,8,18,18,3	5p1	156.61C	2000±10C
53	Iodine	74	126,90447	2,8,18,18,7	5p5	113.5C	184
77	Iridium	115	192,2	2,8,18,32,15,2	5d7	2410C	4527±100C
26	Iron	30	55,85	2,8,14,2	3d6	1535C	2750C
36	Krypton	48	83,8	2,8,18,8	4p6	-157.2C	-153.4C
57	Lanthanum	82	138,9	2,8,18,19,8,2	4f1	920C	3469C
103	Lawrencium	159	262,1	2,8,18,32,32,9,2	6d1	N/A	N/A
82	Lead	125	207,2	2,8,18,32,18,4	6p2	327.5C	1740C
3	Lithium	4	6,941	2,1	2s1	180.54C	1347C
71	Lutetium	104	175	2,8,18,32,9,2	5d1	1656C	3315C
12	Magnesium	12	24,31	2,8,2	3s2	651C	1107C
25	Manganese	30	54,94	2,8,13,2	4s2	1245C	1962C
109	Meitnerium	157	268	2,8,18,32,32,15,2	6d7	N/A	N/A
101	Mendelevium	157	258,1	2,8,18,32,31,8,2	5f13/7s1	N/A	N/A
80	Mercury	121	200,6	2,8,18,32,18,2	6s2	-38.87C	356.58C
42	Molybdenum	54	95,94	2,8,18,13,1	4d5	2617C	4612C
60	Neodymium	84	144,2	2,8,18,22,8,2	4f4	1010C	3127C
10	Neon	10	20,18	2,8	2p6	-248.6C	-246.1C
93	Neptunium	144	237	2,8,18,32,23,8,2	5f4	640C	3902C
28	Nickel	31	58,69	2,8,16,2	3d8	1453C	2732C
41	Niobium	52	92,91	2,8,18,12,1	4d4	2468±10C	4927C
7	Nitrogen	7	14,01	2,5	2p3	-209.9C	-195.8C
102	Nobelium	157	259,1	2,8,18,32,32,8,2	7s2	N/A	N/A
76	Osmium	114	190,2	2,8,18,32,14,2	5d6	3045C	5027C
8	Oxygen	8	16	2,6	2p4	-218.4C	-183.0C
46	Palladium	60	106,4	2,8,18,18	4d10	1552C	2927C
15	Phosphorous	16	30,97	2,8,5	3p3	44.1C	280C
78	Platinum	117	195,1	2,8,18,32,17,1	5d9	1772C	3827C
94	Plutonium	150	244,1	2,8,18,32,24,8,2	5f6	639.5±2C	3235±19C
84	Polonium	125	209	2,8,18,32,18,6	6p4	254C	962C
19	Potassium	20	39,1	2,8,8,1	4s1	63.65C	774C
59	Praseodymium	82	140,9	2,8,18,21,8,2	4f3	935C	3127C
61	Promethium	84	144,9	2,8,18,23,8,2	4f5	N/A	N/A
91	Protactinium	140	231	2,8,18,32,20,9,2	5f2	1600C	N/A
88	Radium	138	226	2,8,18,32,18,8,2	7s2	700C	1737C
86	Radon	136	222	2,8,18,32,18,8	6p6	-71C	-61.8C
75	Rhenium	111	186,2	2,8,18,32,13,2	5d5	3180C	5627C
45	Rhodium	58	102,9	2,8,18,16,1	4d8	1966±3C	3727C
37	Rubidium	48	85,47	2,8,18,8,1	5s1	38.89C	688C
44	Ruthenium	57	101,1	2,8,18,15,1	4d7	2250C	3900C
104	Rutherfordium	157	261	2,8,18,32,32,10,2	6d2	N/A	N/A
62	Samarium	88	150,4	2,8,18,24,8,2	4f6	1072C	1900C
21	Scandium	24	44,96	2,8,9,2	3d1	1539C	2832C
106	Seaborgium	157	263	2,8,18,32,32,12,2	6d4	N/A	N/A
34	Selenium	45	78,96	2,8,18,6	4p4	217C	684.9C
14	Silicon	14	28,09	2,8,4	3p2	1410C	2355C
47	Silver	61	107,9	2,8,18,18,1	5s1	961.93C	2212C
11	Sodium	12	22,99	2,8,1	3s1	97.8C	891.9C
38	Strontium	50	87,62	2,8,18,8,2	5s2	769C	1384C
16	Sulfur	16	32,07	2,8,6	3p4	112.8C	444.6C
73	Tantalum	108	180,9	2,8,18,32,11,2	5d3	2996C	5425±100C
43	Technetium	55	97,91	2,8,18,14,1	4d6	2200±50C	4877C
52	Tellurium	76	127,6	2,8,18,18,6	5p4	449.5C	989.8C
65	Terbium	94	158,9	2,8,18,27,8,2	4f9	1360C	3041C
81	Thallium	123	204,4	2,8,18,32,18,3	6p1	303.5C	1457±10C
90	Thorium	142	232	2,8,18,32,18,10,2	6d2	1750C	4790C
69	Thulium	100	168,9	2,8,18,31,8,2	4f13	1545C	1727C
50	Tin	69	118,7	2,8,18,18,4	5p2	231.9C	2270C
22	Titanium	26	47,87	2,8,10,2	3d2	1660C	3287C
74	Tungsten	110	183,8	2,8,18,32,12,2	5d4	3410±20C	5660C
122	Unbibium	202	324	2,8,18,32,34,18,8,2	5g2	N/A	N/A
129	Unbiennium	213	342	2,8,18,32,41,18,8,2	5g9	N/A	N/A
126	Unbihexium	208	334	2,8,18,32,38,18,8,2	5g6	N/A	N/A
120	Unbinilium	198	318	2,8,18,32,32,18,8,2	8s2	N/A	N/A
128	Unbioctium	212	340	2,8,18,32,40,18,8,2	5g8	N/A	N/A
125	Unbipentium	207	332	2,8,18,32,37,18,8,2	5g5	N/A	N/A
124	Unbiquadium	206	330	2,8,18,32,36,18,8,2	5g4	N/A	N/A
127	Unbiseptium	211	338	2,8,18,32,39,18,8,2	5g7	N/A	N/A
123	Unbitrium	203	326	2,8,18,32,35,18,8,2	5g3	N/A	N/A
121	Unbiunium	201	322	2,8,18,32,33,18,8,2	5g1	N/A	N/A
192	Unenbium	339	531	2,8,18,32,50,50,22,8,2	7f4	N/A	N/A
199	Unenennium	350	549	2,8,18,32,50,50,29,8,2	7f11	N/A	N/A
196	Unenhexium	345	541	2,8,18,32,50,50,26,8,2	7f8	N/A	N/A
190	Unennilium	334	524	2,8,18,32,50,50,20,8,2	7f2	N/A	N/A
198	Unenoctium	349	547	2,8,18,32,50,50,28,8,2	7f10	N/A	N/A
195	Unenpentium	344	539	2,8,18,32,50,50,25,8,2	7f7	N/A	N/A
194	Unenquadium	341	535	2,8,18,32,50,50,24,8,2	7f6	N/A	N/A
197	Unenseptium	346	543	2,8,18,32,50,50,27,8,2	7f9	N/A	N/A
193	Unenrium	339	532	2,8,18,32,50,50,23,8,2	7f5	N/A	N/A
191	Unenunium	336	527	2,8,18,32,50,50,21,8,2	7f3	N/A	N/A
162	Unhexbium	268	430	2,8,18,32,50,32,18,2	8s2	N/A	N/A
169	Unhexennium	297	466	2,8,18,32,50,32,18,8,1	9s1	N/A	N/A
166	Unhexhexium	276	442	2,8,18,32,50,32,18,6	8p4	N/A	N