

PERIODIC TABLE OF THE ELEMENTS

GROUP
1/A

18/VIIB

1	1.0079 H 1s ¹	2/IIA	3	6.941 Li [He]2s ¹	4	9.0122 Be [He]2s ²	
5	10.811 B [He]2s ² 2p ¹	6	12.011 C [He]2s ² 2p ²	7	14.0067 N [He]2s ² 2p ³	8	15.9994 O [He]2s ² 2p ⁴
9	18.9984 F [He]2s ² 2p ⁵	10	20.1797 Ne [He]2s ² 2p ⁶	11	22.9898 Na [Ne]3s ¹	12	24.3050 Mg [Ne]3s ²
13	26.9815 Al [Ne]3s ² 3p ¹	14	28.0855 Si [Ne]3s ² 3p ²	15	30.9738 P [Ne]3s ² 3p ³	16	32.06 S [Ne]3s ² 3p ⁴
17	35.453 Cl [Ar]3s ² 3p ⁵	18	36.966 Ar [Ar]3s ² 3p ⁶	19	39.0983 K [Ar]4s ¹	20	40.078 Ca [Ar]4s ²
21	44.9559 Sc [Ar]3d ¹ 4s ²	22	47.867 Ti [Ar]3d ² 4s ²	23	50.9415 V [Ar]3d ³ 4s ²	24	51.9961 Cr [Ar]3d ⁵ 4s ¹
25	58.9332 Mn [Ar]3d ⁵ 4s ²	26	55.845 Fe [Ar]3d ⁶ 4s ²	27	58.9332 Co [Ar]3d ⁷ 4s ²	28	58.9332 Ni [Ar]3d ⁸ 4s ²
29	63.546 Cu [Ar]3d ¹⁰ 4s ¹	30	65.409 Zn [Ar]3d ¹⁰ 4s ²	31	69.723 Ga [Ar]3d ¹⁰ 4s ² 4p ¹	32	72.64 Ge [Ar]3d ¹⁰ 4s ² 4p ²
33	74.9216 As [Ar]3d ¹⁰ 4s ² 4p ³	34	78.96 Se [Ar]3d ¹⁰ 4s ² 4p ⁴	35	79.904 Br [Ar]3d ¹⁰ 4s ² 4p ⁵	36	83.798 Kr [Ar]3d ¹⁰ 4s ² 4p ⁶
37	85.4678 Rb [Kr]4d ¹ 5s ²	38	87.62 Sr [Kr]4d ² 5s ²	39	88.9059 Y [Kr]4d ¹ 5s ²	40	91.224 Zr [Kr]4d ² 5s ²
41	92.9064 Nb [Kr]4d ⁴ 5s ¹	42	95.94 Mo [Kr]4d ⁵ 5s ¹	43	97.9072 Tc [Kr]4d ⁵ 5s ²	44	101.07 Ru [Kr]4d ⁷ 5s ¹
45	102.9055 Rh [Kr]4d ⁸ 5s ¹	46	106.42 Pd [Kr]4d ¹⁰	47	107.8682 Ag [Kr]4d ¹⁰ 5s ¹	48	112.411 Cd [Kr]4d ¹⁰ 5s ²
49	114.818 In [Kr]4d ¹⁰ 5s ² 5p ¹	50	118.710 Sn [Kr]4d ¹⁰ 5s ² 5p ²	51	121.760 Sb [Kr]4d ¹⁰ 5s ² 5p ³	52	127.60 Te [Kr]4d ¹⁰ 5s ² 5p ⁴
53	126.9045 I [Xe]4f ¹⁴ 5d ⁵ 6s ²	54	131.29 Xe [Xe]4f ¹⁴ 5d ¹⁰ 6s ²	55	137.327 La [Xe]5d ¹ 6s ²	56	137.327 Ce [Xe]5d ¹ 6s ²
57	138.905 Pr [Xe]5d ¹ 6s ²	58	140.9077 Nd [Xe]5d ¹ 6s ²	59	140.9077 Pm [Xe]5d ¹ 6s ²	60	140.9077 Sm [Xe]5d ¹ 6s ²
61	144.24 Eu [Xe]5d ¹ 6s ²	62	150.36 Gd [Xe]5d ¹ 6s ²	63	151.964 Tb [Xe]5d ¹ 6s ²	64	157.25 Dy [Xe]5d ¹ 6s ²
65	162.50 Ho [Xe]5d ¹ 6s ²	66	162.50 Er [Xe]5d ¹ 6s ²	67	164.9303 Tm [Xe]5d ¹ 6s ²	68	167.259 Yb [Xe]5d ¹ 6s ²
69	168.9342 Lu [Xe]5d ¹ 6s ²	70	173.04 Hf [Xe]5d ² 6s ²	71	174.967 Ta [Xe]5d ³ 6s ²	72	178.49 W [Xe]5d ⁴ 6s ²
73	180.9479 Re [Xe]5d ⁵ 6s ¹	74	186.207 Os [Xe]5d ⁶ 6s ²	75	193.224 Ir [Xe]5d ⁷ 6s ²	76	196.224 Pt [Xe]5d ⁹ 6s ¹
77	197.224 Au [Xe]5d ¹⁰ 6s ¹	78	197.224 Hg [Xe]5d ¹⁰ 6s ²	79	197.224 Tl [Xe]5d ¹⁰ 6s ² 6p ¹	80	200.59 Pb [Xe]5d ¹⁰ 6s ² 6p ²
81	200.59 Bi [Xe]5d ¹⁰ 6s ² 6p ³	82	200.59 Po [Xe]5d ¹⁰ 6s ² 6p ⁴	83	200.59 At [Xe]5d ¹⁰ 6s ² 6p ⁵	84	200.59 Rn [Xe]5d ¹⁰ 6s ² 6p ⁶
85	208.9804 Fr [Rn]7s ¹	86	208.9804 Ra [Rn]7s ²	87	223.0197 Ac [Rn]7s ²	88	223.0197 Th [Rn]7s ²
89	227.0277 Pa [Rn]7s ² 5f ²	90	232.0377 U [Rn]7s ² 5f ³	91	232.0377 Np [Rn]7s ² 5f ⁴	92	232.0377 Pu [Rn]7s ² 5f ⁶
93	238.0289 Am [Rn]7s ² 5f ⁷	94	244.0642 Cm [Rn]7s ² 5f ⁸	95	244.0642 Bk [Rn]7s ² 5f ⁹	96	244.0642 Cf [Rn]7s ² 5f ¹⁰
97	247.0703 Es [Rn]7s ² 5f ¹¹	98	247.0703 Fm [Rn]7s ² 5f ¹²	99	252.0830 Md [Rn]7s ² 5f ¹³	100	252.0830 No [Rn]7s ² 5f ¹⁴
101	258.10 Lr [Rn]7s ² 5f ¹⁴ 6d ¹	102	258.10 La [Xe]5d ¹ 6s ²	103	262.1097 Ce [Xe]5d ¹ 6s ²	104	262.1097 Pr [Xe]5d ¹ 6s ²
105	262.1097 Nd [Xe]5d ¹ 6s ²	106	262.1097 Pm [Xe]5d ¹ 6s ²	107	262.1097 Sm [Xe]5d ¹ 6s ²	108	262.1097 Eu [Xe]5d ¹ 6s ²
109	262.1097 Gd [Xe]5d ¹ 6s ²	110	262.1097 Tb [Xe]5d ¹ 6s ²	111	262.1097 Dy [Xe]5d ¹ 6s ²	112	262.1097 Ho [Xe]5d ¹ 6s ²
113	262.1097 Er [Xe]5d ¹ 6s ²	114	262.1097 Tm [Xe]5d ¹ 6s ²	115	262.1097 Yb [Xe]5d ¹ 6s ²	116	262.1097 Lu [Xe]5d ¹ 6s ²
117	262.1097 Hf [Xe]5d ² 6s ²	118	262.1097 Ta [Xe]5d ³ 6s ²	119	262.1097 W [Xe]5d ⁴ 6s ²	120	262.1097 Re [Xe]5d ⁵ 6s ¹
121	262.1097 Os [Xe]5d ⁶ 6s ²	122	262.1097 Ir [Xe]5d ⁷ 6s ²	123	262.1097 Pt [Xe]5d ⁹ 6s ¹	124	262.1097 Au [Xe]5d ¹⁰ 6s ¹
125	262.1097 Hg [Xe]5d ¹⁰ 6s ²	126	262.1097 Tl [Xe]5d ¹⁰ 6s ² 6p ¹	127	262.1097 Pb [Xe]5d ¹⁰ 6s ² 6p ²	128	262.1097 Bi [Xe]5d ¹⁰ 6s ² 6p ³
129	262.1097 Po [Xe]5d ¹⁰ 6s ² 6p ⁴	130	262.1097 At [Xe]5d ¹⁰ 6s ² 6p ⁵	131	262.1097 Rn [Xe]5d ¹⁰ 6s ² 6p ⁶	132	262.1097 Fr [Rn]7s ¹
133	262.1097 Ra [Rn]7s ²	134	262.1097 Ac [Rn]7s ² 5f ²	135	262.1097 Th [Rn]7s ² 5f ³	136	262.1097 Pa [Rn]7s ² 5f ⁴
137	262.1097 U [Rn]7s ² 5f ⁶	138	262.1097 Np [Rn]7s ² 5f ⁷	139	262.1097 Pu [Rn]7s ² 5f ⁸	140	262.1097 Am [Rn]7s ² 5f ⁷
141	262.1097 Cm [Rn]7s ² 5f ⁸	142	262.1097 Bk [Rn]7s ² 5f ⁹	143	262.1097 Cf [Rn]7s ² 5f ¹⁰	144	262.1097 Es [Rn]7s ² 5f ¹¹
145	262.1097 Fm [Rn]7s ² 5f ¹²	146	262.1097 Md [Rn]7s ² 5f ¹³	147	262.1097 No [Rn]7s ² 5f ¹⁴	148	262.1097 Lr [Rn]7s ² 5f ¹⁴ 6d ¹
149	262.1097 La [Xe]5d ¹ 6s ²	150	262.1097 Ce [Xe]5d ¹ 6s ²	151	262.1097 Pr [Xe]5d ¹ 6s ²	152	262.1097 Nd [Xe]5d ¹ 6s ²
153	262.1097 Pm [Xe]5d ¹ 6s ²	154	262.1097 Sm [Xe]5d ¹ 6s ²	155	262.1097 Eu [Xe]5d ¹ 6s ²	156	262.1097 Gd [Xe]5d ¹ 6s ²
157	262.1097 Tb [Xe]5d ¹ 6s ²	158	262.1097 Dy [Xe]5d ¹ 6s ²	159	262.1097 Ho [Xe]5d ¹ 6s ²	160	262.1097 Er [Xe]5d ¹ 6s ²
161	262.1097 Tm [Xe]5d ¹ 6s ²	162	262.1097 Yb [Xe]5d ¹ 6s ²	163	262.1097 Lu [Xe]5d ¹ 6s ²	164	262.1097 Hf [Xe]5d ² 6s ²
165	262.1097 Ta [Xe]5d ³ 6s ²	166	262.1097 W [Xe]5d ⁴ 6s ²	167	262.1097 Re [Xe]5d ⁵ 6s ¹	168	262.1097 Os [Xe]5d ⁶ 6s ²
169	262.1097 Ir [Xe]5d ⁷ 6s ²	170	262.1097 Pt [Xe]5d ⁹ 6s ¹	171	262.1097 Au [Xe]5d ¹⁰ 6s ¹	172	262.1097 Hg [Xe]5d ¹⁰ 6s ²
173	262.1097 Tl [Xe]5d ¹⁰ 6s ² 6p ¹	174	262.1097 Pb [Xe]5d ¹⁰ 6s ² 6p ²	175	262.1097 Bi [Xe]5d ¹⁰ 6s ² 6p ³	176	262.1097 Po [Xe]5d ¹⁰ 6s ² 6p ⁴
177	262.1097 At [Xe]5d ¹⁰ 6s ² 6p ⁵	178	262.1097 Rn [Xe]5d ¹⁰ 6s ² 6p ⁶	179	262.1097 Fr [Rn]7s ¹	180	262.1097 Ra [Rn]7s ²
181	262.1097 Ac [Rn]7s ² 5f ²	182	262.1097 Th [Rn]7s ² 5f ³	183	262.1097 Pa [Rn]7s ² 5f ⁴	184	262.1097 U [Rn]7s ² 5f ⁶
185	262.1097 Np [Rn]7s ² 5f ⁷	186	262.1097 Pu [Rn]7s ² 5f ⁸	187	262.1097 Am [Rn]7s ² 5f ⁷	188	262.1097 Cm [Rn]7s ² 5f ⁸
189	262.1097 Bk [Rn]7s ² 5f ⁹	190	262.1097 Cf [Rn]7s ² 5f ¹⁰	191	262.1097 Es [Rn]7s ² 5f ¹¹	192	262.1097 Fm [Rn]7s ² 5f ¹²
193	262.1097 Md [Rn]7s ² 5f ¹³	194	262.1097 No [Rn]7s ² 5f ¹⁴	195	262.1097 Lr [Rn]7s ² 5f ¹⁴ 6d ¹	196	262.1097 La [Xe]5d ¹ 6s ²
197	262.1097 Ce [Xe]5d ¹ 6s ²	198	262.1097 Pr [Xe]5d ¹ 6s ²	199	262.1097 Nd [Xe]5d ¹ 6s ²	200	262.1097 Pm [Xe]5d ¹ 6s ²
201	262.1097 Sm [Xe]5d ¹ 6s ²	202	262.1097 Eu [Xe]5d ¹ 6s ²	203	262.1097 Gd [Xe]5d ¹ 6s ²	204	262.1097 Tb [Xe]5d ¹ 6s ²
205	262.1097 Dy [Xe]5d ¹ 6s ²	206	262.1097 Ho [Xe]5d ¹ 6s ²	207	262.1097 Er [Xe]5d ¹ 6s ²	208	262.1097 Tm [Xe]5d ¹ 6s ²
209	262.1097 Yb [Xe]5d ¹ 6s ²	210	262.1097 Lu [Xe]5d ¹ 6s ²	211	262.1097 Hf [Xe]5d ² 6s ²	212	262.1097 Ta [Xe]5d ³ 6s ²
213	262.1097 W [Xe]5d ⁴ 6s ²	214	262.1097 Re [Xe]5d ⁵ 6s ¹	215	262.1097 Os [Xe]5d ⁶ 6s ²	216	262.1097 Ir [Xe]5d ⁷ 6s ²
217	262.1097 Pt [Xe]5d ⁹ 6s ¹	218	262.1097 Au [Xe]5d ¹⁰ 6s ¹	219	262.1097 Hg [Xe]5d ¹⁰ 6s ²	220	262.1097 Tl [Xe]5d ¹⁰ 6s ² 6p ¹
221	262.1097 Pb [Xe]5d ¹⁰ 6s ² 6p ²	222	262.1097 Bi [Xe]5d ¹⁰ 6s ² 6p ³	223	262.1097 Po [Xe]5d ¹⁰ 6s ² 6p ⁴	224	262.1097 At [Xe]5d ¹⁰ 6s ² 6p ⁵
225	262.1097 Rn [Xe]5d ¹⁰ 6s ² 6p ⁶	226	262.1097 Fr [Rn]7s ¹	227	262.1097 Ra [Rn]7s ²	228	262.1097 Ac [Rn]7s ² 5f ²
229	262.1097 Th [Rn]7s ² 5f ³	230	262.1097 Pa [Rn]7s ² 5f ⁴	231	262.1097 U [Rn]7s ² 5f ⁶	232	262.1097 Np [Rn]7s ² 5f ⁷
233	262.1097 Pu [Rn]7s ² 5f ⁸	234	262.1097 Am [Rn]7s ² 5f ⁷	235	262.1097 Cm [Rn]7s ² 5f ⁸	236	262.1097 Bk [Rn]7s ² 5f ⁹
237	262.1097 Cf [Rn]7s ² 5f ¹⁰	238	262.1097 Es [Rn]7s ² 5f ¹¹	239	262.1097 Fm [Rn]7s ² 5f ¹²	240	262.1097 Md [Rn]7s ² 5f ¹³
241	262.1097 No [Rn]7s ² 5f ¹⁴	242	262.1097 Lr [Rn]7s ² 5f ¹⁴ 6d ¹	243	262.1097 La [Xe]5d ¹ 6s		

