

1 IA 1A													18 VIIIA 8A												
1 H Hydrogen 1s ¹													2 He Helium 1s ²												
3 Li Lithium [He]2s ¹													4 Be Beryllium [He]2s ²												
11 Na Sodium [Ne]3s ¹													12 Mg Magnesium [Ne]3s ²												
3 IIIB 3B													4 IVB 4B												
5 VB 5B													6 VIB 6B												
7 VIIB 7B													8 VIII 8												
9 VIII 8													10 VIII 8												
11 IB 1B													12 IIB 2B												
13 IIIA 3A													14 IVA 4A												
15 VA 5A													16 VIA 6A												
17 VIIA 7A													18 VIIA 7A												
5 B Boron [He]2s ² 2p ¹													6 C Carbon [He]2s ² 2p ²												
7 N Nitrogen [He]2s ² 2p ³													8 O Oxygen [He]2s ² 2p ⁴												
9 F Fluorine [He]2s ² 2p ⁵													10 Ne Neon [He]2s ² 2p ⁶												
13 Al Aluminum [Ne]3s ² 3p ¹													14 Si Silicon [Ne]3s ² 3p ²												
15 P Phosphorus [Ne]3s ² 3p ³													16 S Sulfur [Ne]3s ² 3p ⁴												
17 Cl Chlorine [Ne]3s ² 3p ⁵													18 Ar Argon [Ne]3s ² 3p ⁶												
19 K Potassium [Ar]4s ¹													20 Ca Calcium [Ar]4s ²												
21 Sc Scandium [Ar]3d ¹ 4s ²													22 Ti Titanium [Ar]3d ² 4s ²												
23 V Vanadium [Ar]3d ³ 4s ²													24 Cr Chromium [Ar]3d ⁵ 4s ¹												
25 Mn Manganese [Ar]3d ⁵ 4s ²													26 Fe Iron [Ar]3d ⁶ 4s ²												
27 Co Cobalt [Ar]3d ⁷ 4s ²													28 Ni Nickel [Ar]3d ⁸ 4s ²												
29 Cu Copper [Ar]3d ¹⁰ 4s ¹													30 Zn Zinc [Ar]3d ¹⁰ 4s ²												
31 Ga Gallium [Ar]3d ¹⁰ 4s ² 4p ¹													32 Ge Germanium [Ar]3d ¹⁰ 4s ² 4p ²												
33 As Arsenic [Ar]3d ¹⁰ 4s ² 4p ³													34 Se Selenium [Ar]3d ¹⁰ 4s ² 4p ⁴												
35 Br Bromine [Ar]3d ¹⁰ 4s ² 4p ⁵													36 Kr Krypton [Ar]3d ¹⁰ 4s ² 4p ⁶												
37 Rb Rubidium [Kr]5s ¹													38 Sr Strontium [Kr]5s ²												
39 Y Yttrium [Kr]4d ¹ 5s ²													40 Zr Zirconium [Kr]4d ² 5s ²												
41 Nb Niobium [Kr]4d ⁴ 5s ¹													42 Mo Molybdenum [Kr]4d ⁵ 5s ¹												
43 Tc Technetium [Kr]4d ⁵ 5s ²													44 Ru Ruthenium [Kr]4d ⁷ 5s ¹												
45 Rh Rhodium [Kr]4d ⁸ 5s ¹													46 Pd Palladium [Kr]4d ¹⁰												
47 Ag Silver [Kr]4d ¹⁰ 5s ¹													48 Cd Cadmium [Kr]4d ¹⁰ 5s ²												
49 In Indium [Kr]4d ¹⁰ 5s ² 5p ¹													50 Sn Tin [Kr]4d ¹⁰ 5s ² 5p ²												
51 Sb Antimony [Kr]4d ¹⁰ 5s ² 5p ³													52 Te Tellurium [Kr]4d ¹⁰ 5s ² 5p ⁴												
53 I Iodine [Kr]4d ¹⁰ 5s ² 5p ⁵													54 Xe Xenon [Kr]4d ¹⁰ 5s ² 5p ⁶												
55 Cs Cesium [Xe]6s ¹													56 Ba Barium [Xe]6s ²												
57-71													72 Hf Hafnium [Xe]4f ¹⁴ 5d ² 6s ²												
73 Ta Tantalum [Xe]4f ¹⁴ 5d ³ 6s ²													74 W Tungsten [Xe]4f ¹⁴ 5d ⁴ 6s ²												
75 Re Rhenium [Xe]4f ¹⁴ 5d ⁵ 6s ²													76 Os Osmium [Xe]4f ¹⁴ 5d ⁶ 6s ²												
77 Ir Iridium [Xe]4f ¹⁴ 5d ⁷ 6s ²													78 Pt Platinum [Xe]4f ¹⁴ 5d ⁹ 6s ¹												
79 Au Gold [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹													80 Hg Mercury [Xe]4f ¹⁴ 5d ¹⁰ 6s ²												
81 Tl Thallium [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹													82 Pb Lead [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ²												
83 Bi Bismuth [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ³													84 Po Polonium [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴												
85 At Astatine [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵													86 Rn Radon [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶												
87 Fr Francium [Rn]7s ¹													88 Ra Radium [Rn]7s ²												
89-103													104 Rf Rutherfordium [Rn]5f ¹⁴ 6d ² 7s ² *												
105 Db Dubnium [Rn]5f ¹⁴ 6d ³ 7s ² *													106 Sg Seaborgium [Rn]5f ¹⁴ 6d ⁴ 7s ² *												
107 Bh Bohrium [Rn]5f ¹⁴ 6d ⁵ 7s ² *													108 Hs Hassium [Rn]5f ¹⁴ 6d ⁶ 7s ² *												
109 Mt Meitnerium [Rn]5f ¹⁴ 6d ⁷ 7s ² *													110 Ds Darmstadtium [Rn]5f ¹⁴ 6d ⁸ 7s ² *												
111 Rg Roentgenium [Rn]5f ¹⁴ 6d ⁹ 7s ² *													112 Cn Copernicium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² *												
113 Uut Ununtrium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ¹ *													114 Fl Flerovium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ² *												
115 Uup Ununpentium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ³ *													116 Lv Livermorium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁴ *												
117 Uus Ununseptium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁵ *													118 Uuo Ununoctium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁶ *												

Configurations denoted with a * are unknown and the listed values are predicted.

Lanthanide Series	57 La Lanthanum [Xe]5d ¹ 6s ²	58 Ce Cerium [Xe]4f ¹ 5d ¹ 6s ²	59 Pr Praseodymium [Xe]4f ³ 6s ²	60 Nd Neodymium [Xe]4f ⁴ 6s ²	61 Pm Promethium [Xe]4f ⁵ 6s ²	62 Sm Samarium [Xe]4f ⁶ 6s ²	63 Eu Europium [Xe]4f ⁷ 6s ²	64 Gd Gadolinium [Xe]4f ⁷ 5d ¹ 6s ²	65 Tb Terbium [Xe]4f ⁹ 6s ²	66 Dy Dysprosium [Xe]4f ¹⁰ 6s ²	67 Ho Holmium [Xe]4f ¹¹ 6s ²	68 Er Erbium [Xe]4f ¹² 6s ²	69 Tm Thulium [Xe]4f ¹³ 6s ²	70 Yb Ytterbium [Xe]4f ¹⁴ 6s ²	71 Lu Lutetium [Xe]4f ¹⁴ 5d ¹ 6s ²
Actinide Series	89 Ac Actinium [Rn]6d ¹ 7s ²	90 Th Thorium [Rn]6d ² 7s ²	91 Pa Protactinium [Rn]5f ² 6d ¹ 7s ²	92 U Uranium [Rn]5f ³ 6d ¹ 7s ²	93 Np Neptunium [Rn]5f ⁴ 6d ¹ 7s ²	94 Pu Plutonium [Rn]5f ⁶ 7s ²	95 Am Americium [Rn]5f ⁷ 7s ²	96 Cm Curium [Rn]5f ⁷ 6d ¹ 7s ²	97 Bk Berkelium [Rn]5f ⁹ 7s ²	98 Cf Californium [Rn]5f ¹⁰ 7s ²	99 Es Einsteinium [Rn]5f ¹¹ 7s ²	100 Fm Fermium [Rn]5f ¹² 7s ²	101 Md Mendelevium [Rn]5f ¹³ 7s ²	102 No Nobelium [Rn]5f ¹⁴ 7s ²	103 Lr Lawrencium [Rn]5f ¹⁴ 6d ¹ 7s ²