

Periodic Table of the Elements																																			
<div>Atomic NumberAtomic MassSymbolNameElectron Configuration</div>																																			
1 1A 1A 1 H Hydrogen 1s ¹ 1.008																																			
2 IIA 2A 4 Be Beryllium [He]2s ² 9.012																																			
3 Li Lithium [He]2s ¹ 6.941																																			
11 Na Sodium [Ne]3s ¹ 22.990		12 Mg Magnesium [Ne]3s ² 24.305		3 IIIB 3B		4 IVB 4B		5 VB 5B		6 VIB 6B		7 VIIB 7B		8 VIII 8		10 10B 10B																			
19 K Potassium [Ar]4s ¹ 39.098		20 Ca Calcium [Ar]4s ² 40.078		21 Sc Scandium [Ar]3d ¹ 4s ² 44.956		22 Ti Titanium [Ar]3d ² 4s ² 47.88		23 V Vanadium [Ar]3d ³ 4s ² 50.942		24 Cr Chromium [Ar]3d ⁵ 4s ¹ 51.996		25 Mn Manganese [Ar]3d ⁵ 4s ² 54.938		26 Fe Iron [Ar]3d ⁶ 4s ² 55.933		27 Co Cobalt [Ar]3d ⁷ 4s ² 58.933		28 Ni Nickel [Ar]3d ⁸ 4s ² 58.693		29 Cu Copper [Ar]3d ¹⁰ 4s ¹ 63.546		30 Zn Zinc [Ar]3d ¹⁰ 4s ² 65.39		31 Ga Gallium [Ar]3d ¹⁰ 4s ² 4p ¹ 69.732		32 Ge Germanium [Ar]3d ¹⁰ 4s ² 4p ² 72.61		33 As Arsenic [Ar]3d ¹⁰ 4s ² 4p ³ 74.922		34 Se Selenium [Ar]3d ¹⁰ 4s ² 4p ⁴ 78.972		35 Br Bromine [Ar]3d ¹⁰ 4s ² 4p ⁵ 79.904		36 Kr Krypton [Ar]3d ¹⁰ 4s ² 4p ⁶ 84.80	
37 Rb Rubidium [Kr]5s ¹ 84.468		38 Sr Strontium [Kr]5s ² 87.62		39 Y Yttrium [Kr]4d ¹ 5s ² 88.906		40 Zr Zirconium [Kr]4d ² 5s ² 91.224		41 Nb Niobium [Kr]4d ⁴ 5s ¹ 92.906		42 Mo Molybdenum [Kr]4d ⁵ 5s ¹ 95.95		43 Tc Technetium [Kr]4d ⁵ 5s ² 98.907		44 Ru Ruthenium [Kr]4d ⁷ 5s ¹ 101.07		45 Rh Rhodium [Kr]4d ⁸ 5s ¹ 102.906		46 Pd Palladium [Kr]4d ¹⁰ 106.42		47 Ag Silver [Kr]4d ¹⁰ 5s ¹ 107.868		48 Cd Cadmium [Kr]4d ¹⁰ 5s ² 112.411		49 In Indium [Kr]4d ¹⁰ 5s ² 5p ¹ 114.818		50 Sn Tin [Kr]4d ¹⁰ 5s ² 5p ² 118.71		51 Sb Antimony [Kr]4d ¹⁰ 5s ² 5p ³ 121.760		52 Te Tellurium [Kr]4d ¹⁰ 5s ² 5p ⁴ 127.6		53 I Iodine [Kr]4d ¹⁰ 5s ² 5p ⁵ 126.904		54 Xe Xenon [Kr]4d ¹⁰ 5s ² 5p ⁶ 131.29	
55 Cs Cesium [Xe]6s ¹ 132.905		56 Ba Barium [Xe]6s ² 137.327		57-71		72 Hf Hafnium [Xe]4f ¹⁴ 5d ² 6s ² 178.49		73 Ta Tantalum [Xe]4f ¹⁴ 5d ³ 6s ² 180.948		74 W Tungsten [Xe]4f ¹⁴ 5d ⁴ 6s ² 183.85		75 Re Rhenium [Xe]4f ¹⁴ 5d ⁵ 6s ² 186.207		76 Os Osmium [Xe]4f ¹⁴ 5d ⁶ 6s ² 190.23		77 Ir Iridium [Xe]4f ¹⁴ 5d ⁷ 6s ² 192.22		78 Pt Platinum [Xe]4f ¹⁴ 5d ⁹ 6s ¹ 195.08		79 Au Gold [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹ 196.967		80 Hg Mercury [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 200.59		81 Tl Thallium [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹ 204.383		82 Pb Lead [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ² 207.2		83 Bi Bismuth [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ³ 208.980		84 Po Polonium [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴ [208.982]		85 At Astatine [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵ 209.987		86 Rn Radon [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶ 222.018	
87 Fr Francium [Rn]7s ¹ 223.020		88 Ra Radium [Rn]7s ² 226.025		89-103		104 Rf Rutherfordium [Rn]5f ¹⁴ 6d ² 7s ² * [261]		105 Db Dubnium [Rn]5f ¹⁴ 6d ³ 7s ² * [262]		106 Sg Seaborgium [Rn]5f ¹⁴ 6d ⁴ 7s ² * [266]		107 Bh Bohrium [Rn]5f ¹⁴ 6d ⁵ 7s ² * [264]		108 Hs Hassium [Rn]5f ¹⁴ 6d ⁶ 7s ² * [269]		109 Mt Meitnerium [Rn]5f ¹⁴ 6d ⁷ 7s ² * [268]		110 Ds Darmstadtium [Rn]5f ¹⁴ 6d ⁸ 7s ² * [269]		111 Rg Roentgenium [Rn]5f ¹⁴ 6d ⁹ 7s ² * [272]		112 Cn Copernicium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² * [277]		113 Uut Ununtrium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ¹ * unknown		114 Fl Flerovium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ² * [289]		115 Uup Ununpentium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ³ * unknown		116 Lv Livermorium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁴ * [298]		117 Uus Ununseptium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁵ * unknown		118 Uuo Ununoctium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁶ * unknown	

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

Lanthanide Series	57 La Lanthanum [Xe]5d ¹ 6s ² 138.906	58 Ce Cerium [Xe]4f ¹ 5d ¹ 6s ² 140.115	59 Pr Praseodymium [Xe]4f ³ 6s ² 140.908	60 Nd Neodymium [Xe]4f ⁴ 6s ² 144.24	61 Pm Promethium [Xe]4f ⁵ 6s ² 144.913	62 Sm Samarium [Xe]4f ⁶ 6s ² 150.36	63 Eu Europium [Xe]4f ⁷ 6s ² 151.966	64 Gd Gadolinium [Xe]4f ⁷ 5d ¹ 6s ² 157.25	65 Tb Terbium [Xe]4f ⁹ 6s ² 158.925	66 Dy Dysprosium [Xe]4f ¹⁰ 6s ² 162.50	67 Ho Holmium [Xe]4f ¹¹ 6s ² 164.930	68 Er Erbium [Xe]4f ¹² 6s ² 167.26	69 Tm Thulium [Xe]4f ¹³ 6s ² 168.934	70 Yb Ytterbium [Xe]4f ¹⁴ 6s ² 173.04	71 Lu Lutetium [Xe]4f ¹⁴ 5d ¹ 6s ² 174.967
Actinide Series	89 Ac Actinium [Rn]6d ¹ 7s ² 227.028	90 Th Thorium [Rn]6d ² 7s ² 232.038	91 Pa Protactinium [Rn]5f ² 6d ¹ 7s ² 231.036	92 U Uranium [Rn]5f ³ 6d ¹ 7s ² 238.029	93 Np Neptunium [Rn]5f ⁴ 6d ¹ 7s ² 237.048	94 Pu Plutonium [Rn]5f ⁶ 7s ² 244.064	95 Am Americium [Rn]5f ⁷ 7s ² 243.061	96 Cm Curium [Rn]5f ⁷ 6d ¹ 7s ² 247.070	97 Bk Berkelium [Rn]5f ⁹ 7s ² 247.070	98 Cf Californium [Rn]5f ¹⁰ 7s ² 251.080	99 Es Einsteinium [Rn]5f ¹¹ 7s ² [254]	100 Fm Fermium [Rn]5f ¹² 7s ² 257.095	101 Md Mendelevium [Rn]5f ¹³ 7s ² 258.1	102 No Nobelium [Rn]5f ¹⁴ 7s ² 259.101	103 Lr Lawrencium [Rn]5f ¹⁴ 6d ¹ 7s ² [262]

- Alkali Metal
- Alkaline Earth
- Transition Metal
- Basic Metal
- Semimetal
- Nonmetal
- Halogen
- Noble Gas
- Lanthanide
- Actinide