

PERIODIC TABLE OF ELEMENTS

Electron Configuration



1	2	Atomic Number										13	14	15	16	17	18			
1 H Hydrogen 1s ¹												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			
2	3 Li Lithium [He]2s ¹	4 Be Beryllium [He]2s ²	Name										11 Na Sodium [Ne]3s ¹	12 Mg Magnesium [Ne]3s ²						
3												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			
4	19 K Potassium [Ar]4s ¹	20 Ca Calcium [Ar]4s ²	21 Sc Scandium [Ar]4s ² 3d ¹	22 Ti Titanium [Ar]4s ² 3d ²	23 V Vanadium [Ar]4s ² 3d ³	24 Cr Chromium [Ar]3d ⁵ 4s ¹	25 Mn Manganese [Ar]4s ² 3d ⁵	26 Fe Iron [Ar]4s ² 3d ⁶	27 Co Cobalt [Ar]4s ² 3d ⁷	28 Ni Nickel [Ar]4s ² 3d ⁸	29 Cu Copper [Ar]4s ¹ 3d ¹⁰	30 Zn Zinc [Ar]4s ² 3d ¹⁰	31 Ga Gallium [Ar]4s ² 3d ¹⁰ 4p ¹	32 Ge Germanium [Ar]4s ² 3d ¹⁰ 4p ²	33 As Arsenic [Ar]4s ² 3d ¹⁰ 4p ³	34 Se Selenium [Ar]4s ² 3d ¹⁰ 4p ⁴	35 Br Bromine [Ar]4s ² 3d ¹⁰ 4p ⁵	36 Kr Krypton [Ar]4s ² 3d ¹⁰ 4p ⁶		
5	37 Rb Rubidium [Kr]5s ¹	38 Sr Strontium [Kr]5s ²	39 Y Yttrium [Kr]5s ² 4d ¹	40 Zr Zirconium [Kr]5s ² 4d ²	41 Nb Niobium [Kr]5s ¹ 4d ⁴	42 Mo Molybdenum [Kr]5s ¹ 4d ⁵	43 Tc Technetium [Kr]5s ² 4d ⁵	44 Ru Ruthenium [Kr]5s ¹ 4d ⁷	45 Rh Rhodium [Kr]5s ¹ 4d ⁸	46 Pd Palladium [Kr]4d ¹⁰	47 Ag Silver [Kr]5s ¹ 4d ¹⁰	48 Cd Cadmium [Kr]5s ² 4d ¹⁰	49 In Indium [Kr]5s ² 4d ¹⁰ 5p ¹	50 Sn Tin [Kr]5s ² 4d ¹⁰ 5p ²	51 Sb Antimony [Kr]5s ² 4d ¹⁰ 5p ³	52 Te Tellurium [Kr]5s ² 4d ¹⁰ 5p ⁴	53 I Iodine [Kr]5s ² 4d ¹⁰ 5p ⁵	54 Xe Xenon [Kr]5s ² 4d ¹⁰ 5p ⁶		
6	55 Cs Cesium [Xe]6s ¹	56 Ba Barium [Xe]6s ²		72 Hf Hafnium [Xe]6s ² 4f ¹⁴ 5d ²	73 Ta Tantalum [Xe]6s ² 4f ¹⁴ 5d ³	74 W Tungsten [Xe]6s ² 4f ¹⁴ 5d ⁴	75 Re Rhenium [Xe]6s ² 4f ¹⁴ 5d ⁵	76 Os Osmium [Xe]6s ² 4f ¹⁴ 5d ⁶	77 Ir Iridium [Xe]6s ² 4f ¹⁴ 5d ⁷	78 Pt Platinum [Xe]6s ¹ 4f ¹⁴ 5d ⁹	79 Au Gold [Xe]6s ¹ 4f ¹⁴ 5d ¹⁰	80 Hg Mercury [Xe]6s ² 4f ¹⁴ 5d ¹⁰	81 Tl Thallium [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ... [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ...	82 Pb Lead [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ... [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ...	83 Bi Bismuth [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ... [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ...	84 Po Polonium [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ... [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ...	85 At Astatine [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ... [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ...	86 Rn Radon [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ... [Xe]6s ² 4f ¹⁴ 5d ¹⁰ ...		
7	87 Fr Francium [Rn]7s ¹	88 Ra Radium [Rn]7s ²		104 Rf Rutherfordium [Rn]7s ² 5f ¹⁴ 6d ²	105 Db Dubnium [Rn]7s ² 5f ¹⁴ 6d ³	106 Sg Seaborgium [Rn]7s ² 5f ¹⁴ 6d ⁴	107 Bh Bohrium [Rn]7s ² 5f ¹⁴ 6d ⁵	108 Hs Hassium [Rn]7s ² 5f ¹⁴ 6d ⁶	109 Mt Meitnerium [Rn]7s ² 5f ¹⁴ 6d ⁷	110 Ds Darmstadtium [Rn]7s ² 5f ¹⁴ 6d ⁸	111 Rg Roentgenium [Rn]7s ² 5f ¹⁴ 6d ⁹	112 Cn Copernicium [Rn]7s ² 5f ¹⁴ 6d ¹⁰	113 Nh Nihonium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² ... [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ...	114 Fl Flerovium [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ... [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ...	115 Mc Moscovium [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ... [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ...	116 Lv Livermorium [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ... [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ...	117 Ts Tennessine [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ... [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ...	118 Og Oganesson [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ... [Rn]7s ² 5f ¹⁴ 6d ¹⁰ ...		
	57 La Lanthanum [Xe]6s ² 5d ¹	58 Ce Cerium [Xe]6s ² 4f ¹ 5d ¹	59 Pr Praseodymium [Xe]6s ² 4f ³	60 Nd Neodymium [Xe]6s ² 4f ⁴	61 Pm Promethium [Xe]6s ² 4f ⁵	62 Sm Samarium [Xe]6s ² 4f ⁶	63 Eu Europium [Xe]6s ² 4f ⁷	64 Gd Gadolinium [Xe]6s ² 4f ⁷ 5d ¹	65 Tb Terbium [Xe]6s ² 4f ⁹	66 Dy Dysprosium [Xe]6s ² 4f ¹⁰	67 Ho Holmium [Xe]6s ² 4f ¹¹	68 Er Erbium [Xe]6s ² 4f ¹²	69 Tm Thulium [Xe]6s ² 4f ¹³	70 Yb Ytterbium [Xe]6s ² 4f ¹⁴	71 Lu Lutetium [Xe]6s ² 4f ¹⁴ 5d ¹					
	89 Ac Actinium [Rn]7s ² 6d ¹	90 Th Thorium [Rn]7s ² 6d ²	91 Pa Protactinium [Rn]7s ² 5f ¹ 6d ¹	92 U Uranium [Rn]7s ² 5f ³ 6d ¹	93 Np Neptunium [Rn]7s ² 5f ⁴ 6d ¹	94 Pu Plutonium [Rn]7s ² 5f ⁶	95 Am Americium [Rn]7s ² 5f ⁷	96 Cm Curium [Rn]7s ² 5f ⁸ 6d ¹	97 Bk Berkelium [Rn]7s ² 5f ⁹	98 Cf Californium [Rn]7s ² 5f ¹⁰	99 Es Einsteinium [Rn]7s ² 5f ¹¹	100 Fm Fermium [Rn]7s ² 5f ¹²	101 Md Mendelevium [Rn]7s ² 5f ¹³	102 No Nobelium [Rn]7s ² 5f ¹⁴	103 Lr Lawrencium [Rn]7s ² 5f ¹⁴ 6d ¹					