



PERIODIC TABLE OF THE ELEMENTS

										P										VIII																																																																											
I											II	III	IV		V		VI		VII		VIII																																																																										
1 H Hydrogen 1.00794 +1 -1											2 He Helium 4.002602	3 B Boron 10.811 +3	4 C Carbon 12.011 +4 -4	5 N Nitrogen 14.00674 -3	6 O Oxygen 15.99994 -2	7 F Fluorine 18.9984032 -1	8 Ne Neon 20.1797	9 Na Sodium 22.989768 +1	10 Mg Magnesium 24.3050 +2	11 Al Aluminum 26.981539 +3	12 Si Silicon 28.0855 +4	13 P Phosphorus 30.973762 -3	14 S Sulfur 32.066 -2	15 Cl Chlorine 35.4527 -1	16 Ar Argon 39.948	17 K Potassium 39.0983 +1	18 Ca Calcium 40.078 +2	19 Sc Scandium 44.955910 +3	20 Ti Titanium 47.88 +4 +3	21 V Vanadium 50.9415 +5 +4 +3 +2	22 Cr Chromium 51.9961 +2 +3 +6	23 Mn Manganese 54.93805 +2 +3 +4 +7	24 Fe Iron 55.847 +2 +3	25 Co Cobalt 58.93320 +2 +3	26 Ni Nickel 58.69 +2 +3	27 Cu Copper 63.546 +1 +2	28 Zn Zinc 65.39 +2	29 Ga Gallium 69.723 +3	30 Ge Germanium 72.61 +4	31 As Arsenic 74.92159 -3	32 Se Selenium 78.96 -2	33 Br Bromine 79.904 -1	34 Kr Krypton 83.80	35 Rb Rubidium 85.4678 +1	36 Sr Strontium 87.62 +2	37 Y Yttrium 88.90585 +3	38 Zr Zirconium 91.224 +4	39 Nb Niobium 92.90638 +3 +5	40 Mo Molybdenum 95.94 +2 +3 +4 +5	41 Tc Technetium (98.9063)	42 Ru Ruthenium 101.07 +2 +3 +4 +6	43 Rh Rhodium 102.90550 +2 +3 +4	44 Pd Palladium 106.42 +2 +4	45 Ag Silver 107.8682 +1	46 Cd Cadmium 112.411 +2	47 In Indium 114.82 +3	48 Sn Tin 118.710 +2 +4	49 Sb Antimony 121.75 +3 +5	50 Te Tellurium 127.60 -2	51 I Iodine 126.90447 -1	52 Xe Xenon 131.29	53 Cs Cesium 132.90543 +1	54 Ba Barium 137.327 +2	55 La Lanthanum 138.9055 +3	56 Hf Hafnium 178.49 +4	57 Ta Tantalum 180.9479 +5	58 W Tungsten 183.85 +2 +3 +4 +5	59 Re Rhenium 186.207 +1 +2 +4 +7	60 Os Osmium 190.2 +2 +3 +4 +6	61 Ir Iridium 192.22 +2 +3 +4 +6	62 Pt Platinum 195.08 +2 +4	63 Au Gold 196.96654 +1 +3	64 Hg Mercury 200.59 +1 +2	65 Tl Thallium 204.3833 +1 +3	66 Pb Lead 207.2 +2 +4	67 Bi Bismuth 208.98037 +3 +5	68 Po Polonium (208.9824) +2 +4	69 At Astatine (209.9871) -1	70 Rn Radon (222.0176)	71 Fr Francium (223.0197) +1	72 Ra Radium 226.0254 +2	73 Ac Actinium 227.0278 +3	74 Rf Rutherfordium (261.1087)	75 Db Dubium (262.1138)	76 Sg Seaborgium (263.1182)	77 Bh Bohrium (262.1229)	78 Hs Hassium (266.1378)	79 Mt Meitnerium (266.1378)	80 Ds Darmstadtium (271)	81 Rg Roentgenium (272)	82	83	84	85	86

*58 Ce Cerium 140.115	59 Pr Praseodymium 140.90763	60 Nd Neodymium 144.24	61 Pm Promethium (146.9151)	62 Sm Samarium 150.36	63 Eu Europium 151.965	64 Gd Gadolinium 157.25	65 Tb Terbium 158.9253	66 Dy Dysprosium 162.50	67 Ho Holmium 164.9303	68 Er Erbium 167.26	69 Tm Thulium 168.9342	70 Yb Ytterbium 173.04	71 Lu Lutetium 174.967
**90 Th Thorium 232.0381	91 Pa Protactinium 231.0359	92 U Uranium 238.0289	93 Np Neptunium 237.0482	94 Pu Plutonium (244.0642)	95 Am Americium (243.0614)	96 Cm Curium (247.0703)	97 Bk Berkelium (247.0703)	98 Cf Californium (251.0796)	99 Es Einsteinium (252.0829)	100 Fm Fermium (257.0951)	101 Md Mendelevium (258.0986)	102 No Nobelium (259.1009)	103 Lr Lawrencium (260.1053)

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