Periodic Table of the Elements

1 **H** 1.00794*																1 **H** 1.00794*	2 **He** 4.002602
3 **Li** 6.941*	4 **Be** 9.012182											5 **B** 10.811*	6 **C** 12.0107*	7 **N** 14.00674*	8 **O** 15.9994*	9 **F** 18.9984032	10 **Ne** 20.1797
11 **Na** 22.98976928	12 **Mg** 24.3050											13 **Al** 26.9815386	14 **Si** 28.0855*	15 **P** 30.973762	16 **S** 32.066*	17 **Cl** 35.4527*	18 **Ar** 39.948
19 **K** 39.0983	20 **Ca** 40.078	21 **Sc** 44.955912	22 **Ti** 47.867	23 **V** 50.9415	24 **Cr** 51.9961	25 **Mn** 54.938045	26 **Fe** 55.845	27 **Co** 58.933195	28 **Ni** 58.6934	29 **Cu** 63.546	30 **Zn** 65.38	31 **Ga** 69.723	32 **Ge** 72.63	33 **As** 74.92160	34 **Se** 78.96	35 **Br** 79.904	36 **Kr** 83.798
37 **Rb** 85.4678	38 **Sr** 87.62	39 **Y** 88.90585	40 **Zr** 91.224	41 **Nb** 92.90638	42 **Mo** 95.96	43 **Tc** (97.9072)	44 **Ru** 101.07	45 **Rh** 102.90550	46 **Pd** 106.42	47 **Ag** 107.8682	48 **Cd** 112.411	49 **In** 114.818	50 **Sn** 118.710	51 **Sb** 121.760	52 **Te** 127.60	53 **I** 126.90447	54 **Xe** 131.293
55 **Cs** 132.9054519	56 **Ba** 137.327	57 **La** 138.90547	72 **Hf** 178.49	73 **Ta** 180.94788	74 **W** 183.84	75 **Re** 186.207	76 **Os** 190.23	77 **Ir** 192.217	78 **Pt** 195.084	79 **Au** 196.966569	80 **Hg** 200.59	81 **Tl** 204.3833*	82 **Pb** 207.2	83 **Bi** 208.98040	84 **Po** (208.9824)	85 **At** (209.9871)	86 **Rn** (222.0176)
87 **Fr** (223.0197)	88 **Ra** (226.0254)	89 **Ac** (227.0278)	104 **Rf** (265.1167)	105 **Db** (268.125)	106 **Sg** (271.133)	107 **Bh** (270)	108 **Hs** (277.150)	109 **Mt** (276.151)	110 **Ds** (281.162)	111 **Rg** (280.164)	112 **Cn** (285.174)	113 **Uut** (284.178)	114 **Fl**** (289.187)	115 **Uup** (288.192)	116 **Lv**** (293)	117 **Uus** (294)	118 **UUo** (294)

58 **Ce** 140.116	59 **Pr** 140.90765	60 **Nd** 144.242	61 **Pm** (144.9127)	62 **Sm** 150.36	63 **Eu** 151.964	64 **Gd** 157.25	65 **Tb** 158.92535	66 **Dy** 162.500	67 **Ho** 164.93032	68 **Er** 167.259	69 **Tm** 168.93421	70 **Yb** 173.054	71 **Lu** 174.9668
90 **Th** 232.03806	91 **Pa** 231.03588	92 **U** 238.02891	93 **Np** (237.0482)	94 **Pu** (244.0642)	95 **Am** (243.0614)	96 **Cm** (247.0704)	97 **Bk** (247.0703)	98 **Cf** (251.0796)	99 **Es** (252.0830)	100 **Fm** (257.0951)	101 **Md** (258.0984)	102 **No** (259.1010)	103 **Lr** (262.1096)

S.E. Van Bramer 8/29/2012

* 1995 IUPAC Values from Pure Appl. Chem., Vol 68, No. 12, pp. 2339-2359, 1996. doi: 10.1351/pac199668122339, http://pac.iupac.org/publications/pac/pdf/1996/pdf/6812x2339.pdf

**Names for elements 114 and 116 are from Pure Appl. Chem., Vol. 84, No. 7, pp. 1669–1672, 2012. doi: 10.1351/PAC-REC-11-12-03

All other values from: 2009 IUPAC Values from Pure Appl. Chem., Vol. 83, No. 2, pp. 359–396, 2011. doi:10.1351/PAC-REP-10-09-14, http://pac.iupac.org/publications/pac/pdf/2011/pdf/8302x0359.pdf

-Elements with one weight have uncertainty in the last digit.

-Elements with the weight in parenthesis, weight is given for the longest lived isotope.