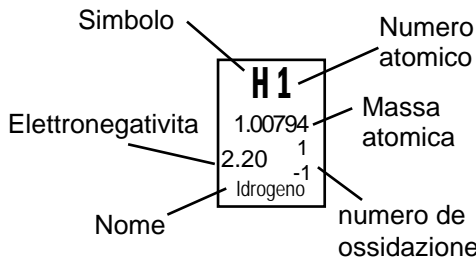


Prof Mokeur TPE

1 IA																	18 VIIIA	
H 1 1.00794 2.20 ¹ ₋₁ Idrogeno																	He 2 4.002602 - 0 Elio	
2	2 IIA												13 IIIA	14 IVA	15 VA	16 VIA	17 VIIA	
Li 3 6.941 1.0 ¹ Litio	Be 4 9.012182 1.5 ² Berillio											B 5 10.811 2.04 ³ Boro	C 6 12.0107 2.55 ⁴ ₋₄ Carbonio	N 7 14.0067 3.04 ^{5,3} ₋₃ Azoto	O 8 15.9994 3.04 ² Ossigeno	F 9 18.998403 3.98 ⁻¹ Fluoro	Ne 10 20.1797 - 0 Neon	
3	Na 11 22.989769 0.93 ¹ Sodio	Mg 12 24.3050 1.31 ² Magnesio	3 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8	9	10	11 IB	12 IIB	Al 13 26.981539 1.61 ³ Alluminio	Si 14 28.0855 1.90 ⁴ ₋₄ Silicio	P 15 30.973762 2.19 ^{5,3} ₋₃ Fosforo	S 16 32.065 2.58 ^{6,4,2} ₋₂ Zolfo	Cl 17 35.453 3.16 ⁻¹ _{7,5,3,1} Cloro	Ar 18 39.948 - 0 Argon
4	K 19 39.0983 0.82 ¹ Potassio	Ca 20 40.078 1.00 ² Calcio	Sc 21 44.95592 1.36 ³ Scandio	Ti 22 47.867 1.54 ⁴ Titanio	V 23 50.9415 1.63 ⁵ Vanadio	Cr 24 51.9961 1.66 ^{6,3} Cromo	Mn 25 54.938045 1.55 ^{7,4,2} Manganese	Fe 26 55.845 1.83 ^{3,2} Ferro	Co 27 58.933195 1.88 ^{3,2} Cobalto	Ni 28 58.6934 1.91 ² Nichel	Cu 29 63.546 1.90 ^{2,1} Rame	Zn 30 65.38 1.65 ² Zinco	Ga 31 69.723 1.81 ³ Galio	Ge 32 72.64 2.01 ^{4,2} ₋₄ Germanio	As 33 74.92160 2.18 ^{5,3} ₋₃ Arsenico	Se 34 78.96 2.55 ^{6,4,2} ₋₂ Selenio	Br 35 79.904 2.96 ⁻¹ _{5,3,1} Bromo	Kr 36 83.798 3.00 ^{0,2} Krypton
5	Rb 37 85.4678 0.82 ¹ Rubidio	Sr 38 87.62 0.95 ² Stronzio	Y 39 88.90585 1.22 ³ Ittrio	Zr 40 91.224 1.33 ⁴ Zirconio	Nb 41 92.90638 1.6 ⁵ Niobio	Mo 42 95.96 2.16 ^{6,4} Molibdeno	Tc 43 98.9062 1.9 ^{7,4} Technezio	Ru 44 101.07 2.2 ^{4,3} Rutenio	Rh 45 102.90550 2.28 ³ Rodio	Pd 46 106.42 2.20 ^{4,2} Paladio	Ag 47 107.8682 1.93 ¹ Argento	Cd 48 112.411 1.69 ² Cadmio	In 49 114.818 1.78 ³ Indio	Sn 50 118.710 1.96 ^{4,2} ₋₄ Stagno	Sb 51 121.760 1.9 ^{5,3} ₋₃ Antimonio	Te 52 127.60 2.1 ^{6,4,2} ₋₂ Tellurio	I 53 126.90447 2.66 ⁻¹ _{7,5,3,1} Iodio	Xe 54 131.293 2.60 ^{6,4,2} Xenon
6	Cs 55 132.90545 0.79 ¹ Cesio	Ba 56 137.327 0.89 ² Bario	La 57 138.90547 1.1 ³ Lantanio	Hf 72 178.49 1.3 ⁴ Afnio	Ta 73 180.94788 1.5 ⁵ Tantalio	W 74 183.84 2.36 ^{6,4} Tungsteno	Re 75 186.207 1.9 ⁴ Renio	Os 76 190.23 2.2 ⁴ Osmio	Ir 77 192.217 2.20 ⁴ Iridio	Pt 78 195.084 2.28 ^{4,2} Platino	Au 79 196.96657 2.54 ³ Oro	Hg 80 200.59 2.00 ^{2,1} Mercurio	Tl 81 204.3833 1.62 ^{3,1} Thallio	Pb 82 207.2 2.33 ^{4,2} Piombo	Bi 83 208.98040 2.02 ³ Bismuto	Po 84 208.9824 2.0 ^{4,2} Polonio	At 85 209.9871 2.2 ⁻¹ Astatio	Rn 86 222.0176 2.2 ⁴⁰ Radon
7	Fr 87 223.0197 0.7 ¹ Francio	Ra 88 226.0254 0.9 ² Radio	Ac 89 227.0278 1.1 ³ Attinio	Rf 104 261.11 - - Ruterfordio	Db 105 262.11 - - Dubnio	Sg 106 263.12 - - Seaborgio	Bh 107 262.12 - - Bohrio	Hs 108 264 - - Hassio	Mt 109 266.1378 - - Meitnerio	Ds 110 269 - - Darmstadtio	Rg 111 272 - - Roentgenio	Cn 112 277 - - Copernicio	Uut 113 284 - - Ununtrio	Fl 114 289 - - Flerovio	Uup 115 288 - - Ununpentio	Lv 116 292 - - Livermorio	Uus 117 293 - - Ununseptio	Uuo 118 294 - - Ununoctio



Metalli alcalini (Yellow)

Metalli alcalino-terrosi (Orange)

Metalli di transizione (Red)

Metalli (Pink)

Metalloidi (Purple)

Non metalli (Blue)

Alogeni (Light Blue)

Gas nobili (Light Green)

Lantanidi e attinidi (White)

Lantanidi	6	Ce 58 140.116 1.12 ^{4,3} Cerio	Pr 59 140.90765 1.13 ³ Praseodimio	Nd 60 144.242 1.14 ³ Neodimio	Pm 61 144.9127 1.13 ³ Prometio	Sm 62 150.36 1.17 ³ Samario	Eu 63 151.964 1.2 ^{3,2} Europio	Gd 64 157.25 1.2 ³ Gadolino	Tb 65 158.92535 1.1 ³ Terbio	Dy 66 162.500 1.22 ³ Disprosio	Ho 67 164.93032 1.23 ³ Holmio	Er 68 167.259 1.24 ³ Erbio	Tm 69 168.93421 1.25 ³ Tulio	Yb 70 173.054 1.1 ³ Itterbio	Lu 71 174.9668 1.27 ³ Lutezio
Attinidi	7	Th 90 232.03806 1.3 ⁴ Torio	Pa 91 231.03588 1.5 ⁵ Protattinio	U 92 238.02891 1.38 ⁶ Uranio	Np 93 237.0482 1.36 ⁵ Nettunio	Pu 94 244.0642 1.28 ⁴ Plutonio	Am 95 243.0614 1.13 ³ Americio	Cm 96 247 1.28 ³ Curio	Bk 97 247.0703 1.3 ³ Berkelio	Cf 98 251.0796 1.3 ³ Californio	Es 99 252.03 1.3 ³ Einstenio	Fm 100 257.0951 1.3 ³ Fermio	Md 101 258.01 1.3 ³ Mendelevio	No 102 259.1009 1.3 ³ Nobelio	Lr 103 260.1053 1.3 ³ Laurenzio

L'unità di massa atomica (uma) vale 1/12 della massa dell'isotopo 12 del carbonio (IUPAC - 2019).