

PERIODIC TABLE OF THE ELEMENTS

1 1A																	18 VIIIA						
1 H Hydrogen 1.0079																	2 He Helium 4.0026						
2 Li Lithium 6.941	3 Be Beryllium 9.0122																	4 B Boron 10.811	5 C Carbon 12.011	6 N Nitrogen 14.007	7 O Oxygen 15.999	8 F Fluorine 18.998	9 Ne Neon 20.179
3 Na Sodium 22.990	4 Mg Magnesium 24.305																	13 Al Aluminium 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulphur 32.065	17 Cl Chlorine 35.453	18 Ar Argon 39.948
4 K Potassium 39.098	5 Ca Calcium 40.078	6 Sc Scandium 44.956	7 Ti Titanium 47.867	8 V Vanadium 50.942	9 Cr Chromium 51.996	10 Mn Manganese 54.938	11 Fe Iron 55.845	12 Co Cobalt 58.933	13 Ni Nickel 58.693	14 Cu Copper 63.546	15 Zn Zinc 65.39	16 Ga Gallium 69.723	17 Ge Germanium 72.64	18 As Arsenic 74.922	19 Se Selenium 78.96	20 Br Bromine 79.904	21 Kr Krypton 83.80						
5 Rb Rubidium 85.468	6 Sr Strontium 87.62	7 Y Yttrium 88.906	8 Zr Zirconium 91.224	9 Nb Niobium 92.906	10 Mo Molybdenum 95.94	11 Tc Technetium (98)	12 Ru Ruthenium 101.07	13 Rh Rhodium 102.91	14 Pd Palladium 106.42	15 Ag Silver 107.87	16 Cd Cadmium 112.41	17 In Indium 114.82	18 Sn Tin 118.71	19 Sb Antimony 121.76	20 Te Tellurium 127.60	21 I Iodine 126.90	22 Xe Xenon 131.29						
6 Cs Cesium 132.91	7 Ba Barium 137.33	8 La Lanthanide	9 Hf Hafnium 178.49	10 Ta Tantalum 180.95	11 W Tungsten 183.84	12 Re Rhenium 186.21	13 Os Osmium 190.23	14 Ir Iridium 192.22	15 Pt Platinum 195.08	16 Au Gold 196.97	17 Hg Mercury 200.59	18 Tl Thallium 204.38	19 Pb Lead 207.2	20 Bi Bismuth 208.98	21 Po Polonium (209)	22 At Astatine (210)	23 Rn Radon (222)						
7 Fr Francium (223)	8 Ra Radium (226)	9 Ac Actinide	10 Rf Rutherfordium (261)	11 Db Dubnium (262)	12 Sg Seaborgium (266)	13 Bh Bohrium (264)	14 Hs Hassium (277)	15 Mt Meitnerium (268)	16 Uun Ununnilium (281)	17 Uuu Unununium (272)	18 Uub Ununbium (285)	19 Uut Ununtrium (284)	20 Uuq Ununquadium (289)	21 Uup Ununpentium (288)	22 Uuh Ununhexium (291)	23 Uus Ununseptium	24 Uuo Ununoctium (294)						

14 ← Group IUPAC
IVA ← Group CAS

Atomic Number → **6** ← Selected Oxidation States
Symbol → **C**
Name → Carbon
Electron Configuration → 2-4 ← Atomic Mass
12.011

Electron Shells

1	K	2	S	P	D	F
2	L	8	2	6		
3	M	18	2	6	10	
4	N	32	2	6	10	14
5	O	32	2	6	10	14
6	P	18	2	6	10	
7	Q	8	2	6		
8	R	2	2			

Lanthanide

57 La Lanthanum 138.91 2-8-18-18-9-2	58 Ce Cerium 140.12 2-8-18-20-8-2	59 Pr Praseodymium 140.91 2-8-18-21-8-2	60 Nd Neodymium 144.24 2-8-18-22-8-2	61 Pm Promethium (145)	62 Sm Samarium 150.36 2-8-18-24-8-2	63 Eu Europium 151.96 2-8-18-25-8-2	64 Gd Gadolinium 157.25 2-8-18-25-9-2	65 Tb Terbium 158.93 2-8-18-27-8-2	66 Dy Dysprosium 162.50 2-8-18-28-8-2	67 Ho Holmium 164.93 2-8-18-29-8-2	68 Er Erbium 167.26 2-8-18-30-8-2	69 Tm Thulium 168.93 2-8-18-31-8-2	70 Yb Ytterbium 173.04 2-8-18-32-8-2	71 Lu Lutetium 174.97 2-8-18-32-9-2
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Actinide

89 Ac Actinium (227) -18-32-18-9-2	90 Th Thorium 232.04 -18-32-18-10-2	91 Pa Protactinium 231.04 -18-32-20-9-2	92 U Uranium 238.03 -18-32-21-9-2	93 Np Neptunium (237) -18-32-23-8-2	94 Pu Plutonium (244) -18-32-24-8-2	95 Am Americium (243) -18-32-25-8-2	96 Cm Curium (247) -18-32-25-9-2	97 Bk Berkelium (247) -18-32-27-8-2	98 Cf Californium (251) -18-32-28-8-2	99 Es Einsteinium (252) -18-32-29-8-2	100 Fm Fermium (257) -18-32-30-8-2	101 Md Mendelevium (258) -18-32-31-8-2	102 No Nobelium (259) -18-32-32-8-2	103 Lr Lawrencium (262) -18-32-32-9-2
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