Periodic Table of the Elements

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Alkali metals	Alkaline earth											Boron group	Carbon group	Pnictogens	Chalcogens	Halogens	Noble gases

1	1 H Hydrogen 1.008																2 He Helium 4.0026
2	3 Li Lithium 7	4 Be Beryllium 9.0122											5 B Boron 10.81	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.9984	10 Ne Neon 20.18
3	11 Na Sodium 22.9898	12 Mg Magnesium 24.305											13 Al Aluminium 26.9815	14 Si Silicon 28.085	15 P Phosphorus 30.9738	16 S Sulfur 32.07	17 Cl Chlorine 35.45	18 Ar Argon 39.9
4	19 K Potassium 39.0983	20 Ca Calcium 40.08	21 Sc Scandium 44.9559	22 Ti Titanium 47.867	23 V Vanadium 50.9415	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.84	27 Co Cobalt 58.9332	28 Ni Nickel 58.693	29 Cu Copper 63.55	30 Zn Zinc 65.4	31 Ga Gallium 69.723	32 Ge Germanium 72.63	33 As Arsenic 74.9216	34 Se Selenium 78.97	35 Br Bromine 79.9	36 Kr Krypton 83.8
5	37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.9058	40 Zr Zirconium 91.22	41 Nb Niobium 92.9064	42 Mo Molybdenum 95.95	43 Tc Technetium [97]	44 Ru Ruthenium 101.1	45 Rh Rhodium 102.9055	46 Pd Palladium 106.42	47 Ag Silver 107.868	48 Cd Cadmium 112.41	49 In Indium 114.818	50 Sn Tin 118.71	51 Sb Antimony 121.76	52 Te Tellurium 127.6	53 I Iodine 126.9045	54 Xe Xenon 131.29
6	55 Cs Caesium 132.9055	56 Ba Barium 137.33	57-71 La-Lu	72 Hf Hafnium 178.49	73 Ta Tantalum 180.9479	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.2	77 Ir Iridium 192.22	78 Pt Platinum 195.08	79 Au Gold 196.9666	80 Hg Mercury 200.59	81 Tl Thallium 204.383	82 Pb Lead 207	83 Bi Bismuth 208.9804	84 Po Polonium [209]	85 At Astatine [210]	86 Rn Radon [222]
7	87 Fr Francium [223]	88 Ra Radium [226]	89-103 Ac-Lr	104 Rf Rutherfordium [267]	105 Db Dubnium [268]	106 Sg Seaborgium [269]	107 Bh Bohrium [270]	108 Hs Hassium [269]	109 Mt Meitnerium [277]	110 Ds Darmstadtium [282]	111 Rg Roentgenium [282]	112 Cn Copernicium [286]	113 Nh Nihonium [286]	114 Fl Flerovium [290]	115 Mc Moscovium [290]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [295]

C Solid 90
Hg Liquid 2
H Gas 11
Rf Unknown 15

Metals

- Alkali metals 6
- Alkaline earth metals 6
- Lanthanides 15
- Actinides 15
- Transition metals 38
- Post-transition metals 11

- Metalloids 7

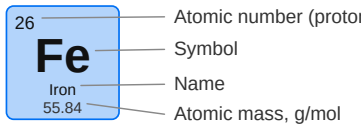
Nonmetals

- Reactive nonmetals 7
- Halogens 6
- Noble gases 7

A mass in [brackets], such as [209], is a mass number: that element has no stable isotope, so its longest-lived one is shown.

57 La Lanthanum 138.9055	58 Ce Cerium 140.116	59 Pr Praseodymium 140.9077	60 Nd Neodymium 144.24	61 Pm Promethium [145]	62 Sm Samarium 150.4	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.9254	66 Dy Dysprosium 162.5	67 Ho Holmium 164.9303	68 Er Erbium 167.26	69 Tm Thulium 168.9342	70 Yb Ytterbium 173.05	71 Lu Lutetium 174.9667
89 Ac Actinium [227]	90 Th Thorium 232.038	91 Pa Protactinium 231.0359	92 U Uranium 238.0289	93 Np Neptunium [237]	94 Pu Plutonium [244]	95 Am Americium [243]	96 Cm Curium [247]	97 Bk Berkelium [247]	98 Cf Californium [251]	99 Es Einsteinium [252]	100 Fm Fermium [257]	101 Md Mendelevium [258]	102 No Nobelium [259]	103 Lr Lawrencium [266]

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