



The Periodic Table of Elements

1	2	3	4	5	6	7	0
7 Li lithium 3	9 Be beryllium 4	11 B boron 5	12 C carbon 6	14 N nitrogen 7	16 O oxygen 8	19 F fluorine 9	20 Ne neon 10
23 Na sodium 11	24 Mg magnesium 12	27 Al aluminium 13	28 Si silicon 14	31 P phosphorus 15	32 S sulfur 16	35.5 Cl chlorine 17	40 Ar argon 18
39 K potassium 19	40 Ca calcium 20	70 Ga gallium 31	73 Ge germanium 32	75 As arsenic 33	79 Se selenium 34	80 Br bromine 35	84 Kr krypton 36
85 Rb rubidium 37	88 Sr strontium 38	115 In indium 49	119 Sn tin 50	122 Sb antimony 51	128 Te tellurium 52	127 I iodine 53	131 Xe xenon 54
133 Cs caesium 55	137 Ba barium 56	204 Tl thallium 81	207 Pb lead 82	209 Bi bismuth 83	209 Po polonium 84	[210] At astatine 85	[222] Rn radon 86
[223] Fr francium 87	[226] Ra radium 88	[285] Cn copernicium 112	[285] Cn copernicium 112	[285] Cn copernicium 112	[285] Cn copernicium 112	[293] Ts tennessine 117	[294] Og oganesson 118
56 Ba barium 56	57 La* lanthanum 57	59 Co cobalt 27	59 Ni nickel 28	63.5 Cu copper 29	65 Zn zinc 30	79 Au gold 79	[285] Cn copernicium 112
72 Hf hafnium 72	73 Ta tantalum 73	75 Re rhenium 75	78 Pt platinum 78	79 Au gold 79	80 Hg mercury 80	108 Ag silver 47	[281] Rg roentgenium 111
89 Y yttrium 39	90 Zr zirconium 40	91 Zr zirconium 40	91 Zr zirconium 40	101 Ru ruthenium 44	106 Pd palladium 46	108 Ag silver 47	[281] Rg roentgenium 111
104 Rf rutherfordium 104	105 Db dubnium 105	106 Pd palladium 46	106 Pd palladium 46	106 Pd palladium 46	106 Pd palladium 46	106 Pd palladium 46	[281] Rg roentgenium 111
178 Hf hafnium 72	181 Ta tantalum 73	186 Re rhenium 75	192 Ir iridium 77	195 Pt platinum 78	197 Au gold 79	197 Au gold 79	[281] Rg roentgenium 111
190 Os osmium 76	192 Ir iridium 77	192 Ir iridium 77	192 Ir iridium 77	195 Pt platinum 78	197 Au gold 79	197 Au gold 79	[281] Rg roentgenium 111
267 Rf rutherfordium 104	270 Db dubnium 105	270 Bh bohrium 107	278 Mt meitnerium 109	281 Ds darmstadtium 110	281 Rg roentgenium 111	281 Rg roentgenium 111	[281] Rg roentgenium 111
267 Rf rutherfordium 104	270 Db dubnium 105	270 Bh bohrium 107	278 Mt meitnerium 109	281 Ds darmstadtium 110	281 Rg roentgenium 111	281 Rg roentgenium 111	[281] Rg roentgenium 111
178 Hf hafnium 72	181 Ta tantalum 73	186 Re rhenium 75	192 Ir iridium 77	195 Pt platinum 78	197 Au gold 79	197 Au gold 79	[281] Rg roentgenium 111
190 Os osmium 76	192 Ir iridium 77	192 Ir iridium 77	192 Ir iridium 77	195 Pt platinum 78	197 Au gold 79	197 Au gold 79	[281] Rg roentgenium 111
267 Rf rutherfordium 104	270 Db dubnium 105	270 Bh bohrium 107	278 Mt meitnerium 109	281 Ds darmstadtium 110	281 Rg roentgenium 111	281 Rg roentgenium 111	[281] Rg roentgenium 111
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1 H hydrogen 1

relative atomic mass atomic symbol name atomic (proton) number

Key

* The Lanthanides (atomic numbers 58 – 71) and the Actinides (atomic numbers 90 – 103) have been omitted. Relative atomic masses for **Cu** and **Cl** have not been rounded to the nearest whole number.