

Periodic Table of the Elements

Hydrogen 1.0079 H 1	1999 IUPAC Values (limited to 0.001 atomic mass units) Complete values with errors available at www.chem.qmw.ac.uk/iupac/AtWt/																Helium 4.003 He 2
Lithium 6.941 Li 3	Beryllium 9.012 Be 4											Boron 10.811 B 5	Carbon 12.011 C 6	Nitrogen 14.007 N 7	Oxygen 15.999 O 8	Fluorine 18.998 F 9	Neon 20.180 Ne 10
Sodium 22.990 Na 11	Magnesium 24.305 Mg 12											Aluminum 26.982 Al 13	Silicon 28.086 Si 14	Phosphorus 30.974 P 15	Sulfur 32.065 S 16	Chlorine 35.453 Cl 17	Argon 39.948 Ar 18
Potassium 39.098 K 19	Calcium 40.078 Ca 20	Scandium 44.956 Sc 21	Titanium 47.867 Ti 22	Vanadium 50.942 V 23	Chromium 51.996 Cr 24	Manganese 54.938 Mn 25	Iron 55.845 Fe 26	Cobalt 58.933 Co 27	Nickel 58.693 Ni 28	Copper 63.546 Cu 29	Zinc 65.39 Zn 30	Gallium 69.723 Ga 31	Germanium 72.64 Ge 32	Arsenic 74.922 As 33	Selenium 78.96 Se 34	Bromine 79.904 Br 35	Krypton 83.80 Kr 36
Rubidium 85.468 Rb 37	Strontium 87.62 Sr 38	Yttrium 88.906 Y 39	Zirconium 91.224 Zr 40	Niobium 92.906 Nb 41	Molybdenum 95.94 Mo 42	Technetium {98} Tc 43	Ruthenium 101.07 Ru 44	Rhodium 102.906 Rh 45	Palladium 106.42 Pd 46	Silver 107.868 Ag 47	Cadmium 112.411 Cd 48	Indium 114.818 In 49	Tin 118.710 Sn 50	Antimony 121.760 Sb 51	Tellurium 127.60 Te 52	Iodine 126.904 I 53	Xenon 131.293 Xe 54
Cesium 132.905 Cs 55	Barium 137.327 Ba 56	Lutetium 174.967 Lu 71	Hafnium 178.49 Hf 72	Tantalum 180.948 Ta 73	Tungsten 183.84 W 74	Rhenium 186.207 Re 75	Osmium 190.23 Os 76	Iridium 192.217 Ir 77	Platinum 195.078 Pt 78	Gold 196.967 Au 79	Mercury 200.59 Hg 80	Thallium 204.383 Tl 81	Lead 207.2 Pb 82	Bismuth 208.980 Bi 83	Polonium {209} Po 84	Astatine {210} At 85	Radon {222} Rn 86
Franium {223} Fr 87	Radium {226} Ra 88	Lawrencium {262} Lr 103	Rutherfordium {261} Rf 104	Dubnium {262} Db 105	Seaborgium {266} Sg 106	Bohrium {264} Bh 107	Hassium {277} Hs 108	Mtnerium {268} Mt 109	{281} 110 110	{272} 111 111	{285} 112 112		{289} 114 114				

Lanthanum 138.906 La 57	Cerium 140.116 Ce 58	Praseodymium 140.908 Pr 59	Neodymium 144.24 Nd 60	Promethium {145} Pm 61	Samarium 150.36 Sm 62	Europium 151.964 Eu 63	Gadolinium 157.25 Gd 64	Terbium 158.925 Tb 65	Dysprosium 162.50 Dy 66	Holmium 164.930 Ho 67	Erbium 167.259 Er 68	Thulium 168.934 Tm 69	Ytterbium 173.04 Yb 70
Actinium {227} Ac 89	Thorium 232.038 Th 90	Protactinium 231.036 Pa 91	Uranium 238.029 U 92	Neptunium {237} Np 93	Plutonium {244} Pu 94	Americium {243} Am 95	Curium {247} Cm 96	Berkelium {247} Bk 97	Californium {251} Cf 98	Einsteinium {252} Es 99	Fermium {257} Fm 100	Mendelevium {258} Md 101	Nobelium {259} No 102

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Solids
Liquids
Gases

ATOMIC MASSES OF THE ELEMENTS 1999 - IUPAC

Name	Sym.	No.	Atomic Mass	Name	Sym.	No.	Atomic Mass
Actinium	Ac	89	[227]	Nobelium	No	102	[259]
Aluminium	Al	13	26.981538(2)	Osmium	Os	76	190.23(3)
Americium	Am	95	[243]	Oxygen	O	8	15.9994(3)
Antimony	Sb	51	121.760(1)	Palladium	Pd	46	106.42(1)
Argon	Ar	18	39.948(1)	Phosphorus	P	15	30.973761(2)
Arsenic	As	33	74.92160(2)	Platinum	Pt	78	195.078(2)
Astatine	At	85	[210]	Plutonium	Pu	94	[244]
Barium	Ba	56	137.327(7)	Polonium	Po	84	[209]
Berkelium	Bk	97	[247]	Potassium	K	19	39.0983(1)
Beryllium	Be	4	9.012182(3)	Praseodymium	Pr	59	140.90765(2)
Bismuth	Bi	83	208.98038(2)	Promethium	Pm	61	[145]
Bohrium	Bh	107	[264]	Protactinium	Pa	91	231.03588(2)
Boron	B	5	10.811(7)	Radium	Ra	88	[226]
Bromine	Br	35	79.904(1)	Radon	Rn	86	[222]
Cadmium	Cd	48	112.411(8)	Rhenium	Re	75	186.207(1)
Caesium	Cs	55	132.90545(2)	Rhodium	Rh	45	102.90550(2)
Calcium	Ca	20	40.078(4)	Rubidium	Rb	37	85.4678(3)
Californium	Cf	98	[251]	Ruthenium	Ru	44	101.07(2)
Carbon	C	6	12.0107(8)	Rutherfordium	Rf	104	[261]
Cerium	Ce	58	140.116(1)	Samarium	Sm	62	150.36(3)
Chlorine	Cl	17	35.453(2)	Scandium	Sc	21	44.955910(8)
Chromium	Cr	24	51.9961(6)	Seaborgium	Sg	106	[266]
Cobalt	Co	27	58.933200(9)	Selenium	Se	34	78.96(3)
Copper	Cu	29	63.546(3)	Silicon	Si	14	28.0855(3)
Curium	Cm	96	[247]	Silver	Ag	47	107.8682(2)
Dubnium	Db	105	[262]	Sodium	Na	11	22.989770(2)
Dysprosium	Dy	66	162.50(3)	Strontium	Sr	38	87.62(1)
Einsteinium	Es	99	[252]	Sulfur	S	16	32.065(5)
Erbium	Er	68	167.259(3)	Tantalum	Ta	73	180.9479(1)
Europium	Eu	63	151.964(1)	Technetium	Tc	43	[98]
Fermium	Fm	100	[257]	Tellurium	Te	52	127.60(3)
Fluorine	F	9	18.9984032(5)	Terbium	Tb	65	158.92534(2)
Francium	Fr	87	[223]	Thallium	Tl	81	204.3833(2)
Gadolinium	Gd	64	157.25(3)	Thorium	Th	90	232.0381(1)
Gallium	Ga	31	69.723(1)	Thulium	Tm	69	168.93421(2)
Germanium	Ge	32	72.64(1)	Tin	Sn	50	118.710(7)
Gold	Au	79	196.96655(2)	Titanium	Ti	22	47.867(1)
Hafnium	Hf	72	178.49(2)	Tungsten	W	74	183.84(1)
Hassium	Hs	108	[277]	Ununbium	Uub	112	[285]
Helium	He	2	4.002602(2)	Ununnilium	Uun	110	[281]
Holmium	Ho	67	164.93032(2)	Ununquadium	Uuq	114	[289]
Hydrogen	H	1	1.00794(7)	Ununonium	Uuu	111	[272]
Indium	In	49	114.818(3)	Uranium	U	92	238.02891(3)
Iodine	I	53	126.90447(3)	Vanadium	V	23	50.9415(1)
Iridium	Ir	77	192.217(3)	Xenon	Xe	54	131.293(6)
Iron	Fe	26	55.845(2)	Ytterbium	Yb	70	173.04(3)
Krypton	Kr	36	83.80(1)	Yttrium	Y	39	88.90585(2)
Lanthanum	La	57	138.9055(2)	Zinc	Zn	30	65.39(2)
Lawrencium	Lr	103	[262]	Zirconium	Zr	40	91.224(2)
Lead	Pb	82	207.2(1)				
Lithium	Li	3	[6.941(2)]				
Lutetium	Lu	71	174.967(1)				
Magnesium	Mg	12	24.3050(6)				
Manganese	Mn	25	54.938049(9)				
Meitnerium	Mt	109	[268]				
Mendelevium	Md	101	[258]				
Mercury	Hg	80	200.59(2)				
Molybdenum	Mo	42	95.94(1)				
Neodymium	Nd	60	144.24(3)				
Neon	Ne	10	20.1797(6)				
Neptunium	Np	93	[237]				
Nickel	Ni	28	58.6934(2)				
Niobium	Nb	41	92.90638(2)				
Nitrogen	N	7	14.0067(2)				

[longest lived isotope]

(error in the last digit)

eg.

65.39(2) = 65.39 ± 0.02

<http://www.chem.qmw.ac.uk/iupac/AtWt/>