

INTERNATIONAL ATOMIC WEIGHTS, 1961.

The following atomic weights are based on the exact number 12 for the carbon isotope 12, as agreed between the International Unions of Pure and Applied Physics and of Pure and Applied Chemistry.

Name.	Sym- bol.	At. No.	At. wt.	Name.	Sym- bol.	At. No.	At. wt.
Actinium	Ac	89	—	Mercury	Hg	80	200.59
Aluminium ...	Al	13	26.9815	Molybdenum ..	Mo	42	95.94
Americium ...	Am	95	—	Neodymium ...	Nd	60	144.24
Antimony	Sb	51	121.75	Neon	Ne	10	20.183
Argon	Ar	18	39.948	Neptunium ...	Np	93	—
Arsenic	As	33	74.9216	Nickel	Ni	28	58.71
Astatine	At	85	—	Niobium	Nb	41	92.906
Barium	Ba	56	137.34	Nitrogen	N	7	14.0067
Berkelium	Bk	97	—	Nobelium	No	102	—
Beryllium	Be	4	9.0122	Osmium	Os	76	190.2
Bismuth	Bi	83	208.980	Oxygen	O	8	15.9994 ± 0.0001 ^a
Boron	B	5	10.811 ± 0.003 ^a	Palladium ...	Pd	46	106.4
Bromine	Br	35	79.909 ^b	Phosphorus ...	P	15	30.9738
Cadmium	Cd	48	112.40	Platinum	Pt	78	195.09
Cæsium	Cs	55	132.905	Plutonium ...	Pu	94	—
Calcium	Ca	20	40.08	Polonium	Po	84	—
Californium ...	Cf	98	—	Potassium	K	19	39.102
Carbon	C	6	12.01115 ± 0.00005 ^a	Praseodymium	Pr	59	140.907
Cerium	Ce	58	140.12	Promethium ...	Pm	61	—
Chlorine	Cl	17	35.453 ^b	Protactinium ..	Pa	91	—
Chromium ...	Cr	24	51.996 ^b	Radium	Ra	88	—
Cobalt	Co	27	58.9332	Radon	Rn	86	—
Copper	Cu	29	63.54	Rhenium	Re	75	186.2
Curium	Cm	96	—	Rhodium	Rh	45	102.905
Dysprosium ...	Dy	66	162.50	Rubidium ...	Rb	37	85.47
Einsteinium ...	Es	99	—	Ruthenium ...	Ru	44	101.07
Erbium	Er	68	167.26	Samarium ...	Sm	62	150.35
Europium ...	Eu	63	151.96	Scandium	Sc	21	44.956
Fermium	Fm	100	—	Selenium	Se	34	78.96
Fluorine	F	9	18.9984	Silicon	Si	14	28.086 ± 0.001 ^a
Francium	Fr	87	—	Silver	Ag	47	107.870 ^b
Gadolinium ...	Gd	64	157.25	Sodium	Na	11	22.9898
Gallium	Ga	31	69.72	Strontium ...	Sr	38	87.62
Germanium ...	Ge	32	72.59	Sulphur	S	16	32.064 ± 0.003 ^a
Gold	Au	79	196.967	Tantalum	Ta	73	180.948
Hafnium	Hf	72	178.49	Technetium ...	Tc	43	—
Helium	He	2	4.0026	Tellurium	Te	52	127.60
Holmium	Ho	67	164.930	Terbium	Tb	65	158.924
Hydrogen ...	H	1	1.00797 ± 0.00001 ^a	Thallium	Tl	81	204.37
Indium	In	49	114.82	Thorium	Th	90	232.038
Iodine	I	53	126.9044	Thulium	Tm	69	168.934
Iridium	Ir	77	192.2	Tin	Sn	50	118.69
Iron	Fe	26	55.847 ^b	Titanium	Ti	22	47.90
Krypton	Kr	36	83.80	Tungsten	W	74	183.85
Lanthanum ...	La	57	138.91	Uranium	U	92	238.03
Lead	Pb	82	207.19	Vanadium ...	V	23	50.942
Lithium	Li	3	6.939	Xenon	Xe	54	131.30
Lutetium	Lu	71	174.97	Ytterbium ...	Yb	70	173.04
Magnesium ...	Mg	12	24.312	Yttrium	Y	39	88.905
Manganese ...	Mn	25	54.9380	Zinc	Zn	30	65.37
Mendelevium ..	Md	101	—	Zirconium ...	Zr	40	91.22

^a Atomic weights so designated are known to be variable because of natural variations in isotopic composition. The observed ranges are:

Hydrogen	± 0.00001	Oxygen	± 0.0001
Boron	± 0.003	Silicon	± 0.001
Carbon	± 0.00005	Sulphur	± 0.003

^b Atomic weights so designated are believed to have the following experimental uncertainties:

Chlorine	± 0.001	Bromine	± 0.002
Chromium	± 0.001	Silver	± 0.003
Iron	± 0.003		

For other elements the last digit is believed to be reliable to ± 0.5.

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