

INTERNATIONAL ATOMIC WEIGHTS, 1959.

[Reprinted from the Report of the Commission on Atomic Weights in the Comptes rendus of the 20th Conference of the International Union of Pure and Applied Chemistry, 1959.]

Alphabetical order.

Name.	Symbol.	Atomic No.	Atomic weight.	Name.	Symbol.	Atomic No.	Atomic weight.
Actinium.....	Ac	89	—	Mercury	Hg	80	200.61
Aluminium	Al	13	26.98	Molybdenum	Mo	42	95.95
Americium	Am	95	—	Neodymium	Nd	60	144.27
Antimony	Sb	51	121.76	Neon	Ne	10	20.183
Argon	Ar	18	39.944	Neptunium	Np	93	—
Arsenic	As	33	74.91	Nickel	Ni	28	58.71
Astatine	At	85	—	Niobium	Nb	41	92.91
Barium	Ba	56	137.36	Nitrogen	N	7	14.008
Berkelium	Bk	97	—	Nobelium	No	102	—
Beryllium	Be	4	9.013	Osmium	Os	76	190.2
Bismuth	Bi	83	209.00	Oxygen	O	8	16
Boron	B	5	10.82	Palladium	Pd	46	106.4
Bromine	Br	35	79.916	Phosphorus	P	15	30.975
Cadmium	Cd	48	112.41	Platinum	Pt	78	195.09
Cæsium	Cs	55	132.91	Plutonium	Pu	94	—
Calcium	Ca	20	40.08	Polonium.....	Po	84	—
Californium.....	Cf	98	—	Potassium	K	19	39.100
Carbon	C	6	12.011	Praseodymium ...	Pr	59	140.92
Cerium.....	Ce	58	140.13	Promethium	Pm	61	—
Chlorine	Cl	17	35.457	Protactinium	Pa	91	—
Chromium	Cr	24	52.01	Radium	Ra	88	—
Cobalt	Co	27	58.94	Radon	Rn	86	—
Copper	Cu	29	63.54	Rhenium	Re	75	186.22
Curium	Cm	96	—	Rhodium	Rh	45	102.91
Dysprosium	Dy	66	162.51	Rubidium	Rb	37	85.48
Einsteinium	Es	99	—	Ruthenium	Ru	44	101.1
Erbium	Er	68	167.27	Samarium	Sm	62	150.35
Europium	Eu	63	152.0	Scandium	Sc	21	44.96
Fermium	Fm	100	—	Selenium	Se	34	78.96
Fluorine	F	9	19.00	Silicon	Si	14	28.09
Francium	Fr	87	—	Silver	Ag	47	107.880
Gadolinium	Gd	64	157.26	Sodium	Na	11	22.991
Gallium	Ga	31	69.72	Strontium	Sr	38	87.63
Germanium	Ge	32	72.60	Sulphur	S	16	32.066 *
Gold	Au	79	197.0	Tantalum	Ta	73	180.95
Hafnium.....	Hf	72	178.50	Technetium	Tc	43	—
Helium	He	2	4.003	Tellurium	Te	52	127.61
Holmium.....	Ho	67	164.94	Terbium	Tb	65	158.93
Hydrogen	H	1	1.0080	Thallium.....	Tl	81	204.39
Indium	In	49	114.82	Thorium	Th	90	232.05
Iodine	I	53	126.91	Thulium	Tm	69	168.94
Iridium	Ir	77	192.2	Tin	Sn	50	118.70
Iron	Fe	26	55.85	Titanium	Ti	22	47.90
Krypton.....	Kr	36	83.80	Tungsten	W	74	183.86
Lanthanum.....	La	57	138.92	Uranium	U	92	238.07
Lead	Pb	82	207.21	Vanadium	V	23	50.95
Lithium	Li	3	6.940	Xenon	Xe	54	131.30
Lutetium.....	Lu	71	174.99	Ytterbium	Yb	70	173.04
Magnesium	Mg	12	24.32	Yttrium	Y	39	88.92
Manganese	Mn	25	54.94	Zinc	Zn	30	65.38
Mendelevium	Md	101	—	Zirconium	Zr	40	91.22

* Because of natural variations in the relative abundance of the isotopes of sulphur the atomic weight of this element has a range of ± 0.003 .

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Order of atomic numbers.

Atomic No.	Name.	Symbol.	Atomic weight.	Atomic No.	Name.	Symbol.	Atomic weight.
1	Hydrogen	H	1.0080	52	Tellurium	Te	127.61
2	Helium	He	4.003	53	Iodine	I	126.91
				54	Xenon	Xe	131.30
3	Lithium	Li	6.940				
4	Beryllium	Be	9.013	55	Cæsium	Cs	132.91
5	Boron	B	10.82	56	Barium	Ba	137.36
6	Carbon	C	12.011	57	Lanthanum	La	138.92
7	Nitrogen	N	14.008	58	Cerium	Ce	140.13
8	Oxygen	O	16	59	Praseodymium	Pr	140.92
9	Fluorine	F	19.00	60	Neodymium	Nd	144.27
10	Neon	Ne	20.183	61	Promethium	Pm	—
				62	Samarium	Sm	150.35
11	Sodium	Na	22.991	63	Europium	Eu	152.0
12	Magnesium	Mg	24.32	64	Gadolinium	Gd	157.26
13	Aluminium	Al	26.98	65	Terbium	Tb	158.93
14	Silicon	Si	28.09	66	Dysprosium	Dy	162.51
15	Phosphorus	P	30.975	67	Holmium	Ho	164.94
16	Sulphur	S	32.066*	68	Erbium	Er	167.27
17	Chlorine	Cl	35.457				
18	Argon	Ar	39.944	69	Thulium	Tm	168.94
				70	Ytterbium	Yb	173.04
19	Potassium	K	39.100	71	Lutetium	Lu	174.99
20	Calcium	Ca	40.08	72	Hafnium	Hf	178.50
21	Scandium	Sc	44.96	73	Tantalum	Ta	180.95
22	Titanium	Ti	47.90	74	Tungsten	W	183.86
23	Vanadium	V	50.95	75	Rhenium	Re	186.22
24	Chromium	Cr	52.01	76	Osmium	Os	190.2
25	Manganese	Mn	54.94	77	Iridium	Ir	192.2
26	Iron	Fe	55.85	78	Platinum	Pt	195.09
27	Cobalt	Co	58.94	79	Gold	Au	197.0
28	Nickel	Ni	58.71	80	Mercury	Hg	200.61
29	Copper	Cu	63.54	81	Thallium	Tl	204.39
30	Zinc	Zn	65.38	82	Lead	Pb	207.21
31	Gallium	Ga	69.72	83	Bismuth	Bi	209.00
32	Germanium	Ge	72.60	84	Polonium	Po	—
33	Arsenic	As	74.91	85	Astatine	At	—
34	Selenium	Se	78.96	86	Radon	Rn	—
35	Bromine	Br	79.916				
36	Krypton	Kr	83.80	87	Francium	Fr	—
				88	Radium	Ra	—
37	Rubidium	Rb	85.48	89	Actinium	Ac	—
38	Strontium	Sr	87.63	90	Thorium	Th	232.05
39	Yttrium	Y	88.92	91	Protactinium	Pa	—
40	Zirconium	Zr	91.22	92	Uranium	U	238.07
41	Niobium	Nb	92.91	93	Neptunium	Np	—
42	Molybdenum	Mo	95.95	94	Plutonium	Pu	—
43	Technetium	Tc	—	95	Americium	Am	—
44	Ruthenium	Ru	101.1	96	Curium	Cm	—
45	Rhodium	Rh	102.91	97	Berkelium	Bk	—
46	Palladium	Pd	106.4	98	Californium	Cf	—
47	Silver	Ag	107.880	99	Einsteinium	Es	—
48	Cadmium	Cd	112.41	100	Fermium	Fm	—
49	Indium	In	114.82	101	Mendelevium	Md	—
50	Tin	Sn	118.70	102	Nobelium	No	—
51	Antimony	Sb	121.76				

* Because of natural variations in the relative abundance of the isotopes of sulphur the atomic weight of this element has a range of ± 0.003 .