

TABLE OF ELEMENTS AND THEIR ATOMIC WEIGHTS

Element	Symbol	Atomic Number	Atomic Weight	Element	Symbol	Atomic Number	Atomic Weight
Actinium	Ac	89	227.0278*	Neodymium	Nd	60	144.24
Aluminum	Al	13	26.981539	Neon	Ne	10	20.1797
Americium	Am	95	243.0614*	Neptunium	Np	93	237.0482*
Antimony	Sb	51	121.760	Nickel	Ni	28	58.6934
Argon	Ar	18	39.948	Niobium	Nb	41	92.90638
Arsenic	As	33	74.92159	Nitrogen	N	7	14.00674
Astatine	At	85	209.9871*	Nobelium	No	102	259.1009*
Barium	Ba	56	137.327	Osmium	Os	76	190.23
Berkelium	Bk	97	247.0703*	Oxygen	O	8	15.9994
Beryllium	Be	4	9.012182	Palladium	Pd	46	106.42
Bismuth	Bi	83	208.98037	Phosphorus	P	15	30.973762
Boron	B	5	10.811	Platinum	Pt	78	195.08
Bromine	Br	35	79.904	Plutonium	Pu	94	244.0642*
Cadmium	Cd	48	112.411	Polonium	Po	84	208.9824*
Calcium	Ca	20	40.078	Potassium	K	19	39.0983
Californium	Cf	98	251.0796*	Praseodymium	Pr	59	140.90765
Carbon	C	6	12.011	Promethium	Pm	61	144.9127*
Cerium	Ce	58	140.115	Protactinium	Pa	91	231.0388*
Cesium	Cs	55	132.90543	Radium	Ra	88	226.0254*
Chlorine	Cl	17	35.4527	Radon	Rn	86	222.0176*
Chromium	Cr	24	51.9961	Rhenium	Re	75	186.207
Cobalt	Co	27	58.93320	Rhodium	Rh	45	102.90550
Copper	Cu	29	63.546	Rubidium	Rb	37	85.4678
Curium	Cm	96	247.0703*	Ruthenium	Ru	44	101.07
Dysprosium	Dy	66	162.50	Samarium	Sm	62	150.36
Einsteinium	Es	99	252.083*	Scandium	Sc	21	44.955910
Erbium	Er	68	167.26	Selenium	Se	34	78.96
Europium	Eu	63	151.965	Silicon	Si	14	28.0855
Fermium	Fm	100	257.0951*	Silver	Ag	47	107.8682
Fluorine	F	9	18.9984032	Sodium	Na	11	22.989768
Francium	Fr	87	223.0197*	Strontium	Sr	38	87.62
Gadolinium	Gd	64	157.25	Sulfur	S	16	32.066
Gallium	Ga	31	69.723	Tantalum	Ta	73	180.9479
Germanium	Ge	32	72.61	Technetium	Tc	43	97.9072*
Gold	Au	79	196.96654	Tellurium	Te	52	127.60
Hafnium	Hf	72	178.49	Terbium	Tb	65	158.92534
Helium	He	2	4.002602	Thallium	Tl	81	204.3833
Holmium	Ho	67	164.93032	Thorium	Th	90	232.0381
Hydrogen	H	1	1.00794	Thulium	Tm	69	168.93421
Indium	In	49	114.818	Tin	Sn	50	118.710
Iodine	I	53	126.90447	Titanium	Ti	22	47.867
Iridium	Ir	77	192.217	Tungsten	W	74	183.84
Iron	Fe	26	55.845	Unnilquadium	Unq	104	261.11*
Krypton	Kr	36	83.80	Unnilpentium	Unp	105	262.114*
Lanthanum	La	57	138.9055	Unnilhexium	Unh	106	263.118*
Lawrencium	Lr	103	262.11*	Unnilseptium	Uns	107	262.12*
Lead	Pb	82	207.2	Uranium	U	92	238.0289
Lithium	Li	3	6.941	Vanadium	V	23	50.9415
Lutetium	Lu	71	174.967	Xenon	Xe	54	131.29
Magnesium	Mg	12	24.3050	Ytterbium	Yb	70	173.04
Manganese	Mn	25	54.93805	Yttrium	Y	39	88.90585
Mendelevium	Md	101	258.10*	Zinc	Zn	30	65.39
Mercury	Hg	80	200.59	Zirconium	Zr	40	91.224
Molybdenum	Mo	42	95.94				

Based on 1993 IUPAC Table of Standard Atomic Weights of the Elements.

* Relative atomic mass of the isotope of that element with the longest known half-life.

TABLE OF ELEMENTS

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Atomic Number	Element	Symbol	Atomic Weight	Atomic Number	Element	Symbol	Atomic Weight
1	Hydrogen	H	1.00794	55	Cesium	Cs	132.90543
2	Helium	He	4.002602	56	Barium	Ba	137.327
3	Lithium	Li	6.941	57	Lanthanum	La	138.9055
4	Beryllium	Be	9.012182	58	Cerium	Ce	140.115
5	Boron	B	10.811	59	Praseodymium	Pr	140.90765
6	Carbon	C	12.011	60	Neodymium	Nd	144.24
7	Nitrogen	N	14.00674	61	Promethium	Pm	144.9127*
8	Oxygen	O	15.9994	62	Samarium	Sm	150.36
9	Fluorine	F	18.9984032	63	Europium	Eu	151.965
10	Neon	Ne	20.1797	64	Gadolinium	Gd	157.25
11	Sodium	Na	22.989768	65	Terbium	Tb	158.92534
12	Magnesium	Mg	24.3050	66	Dysprosium	Dy	162.50
13	Aluminum	Al	26.981539	67	Holmium	Ho	164.93032
14	Silicon	Si	28.0855	68	Erbium	Er	167.26
15	Phosphorus	P	30.973762	69	Thulium	Tm	168.93421
16	Sulfur	S	32.066	70	Ytterbium	Yb	173.04
17	Chlorine	Cl	35.4527	71	Lutetium	Lu	174.967
18	Argon	Ar	39.948	72	Hafnium	Hf	178.49
19	Potassium	K	39.0983	73	Tantalum	Ta	180.9479
20	Calcium	Ca	40.078	74	Tungsten	W	183.84
21	Scandium	Sc	44.955910	75	Rhenium	Re	186.207
22	Titanium	Ti	47.867	76	Osmium	Os	190.23
23	Vanadium	V	50.9415	77	Iridium	Ir	192.217
24	Chromium	Cr	51.9961	78	Platinum	Pt	195.08
25	Manganese	Mn	54.93805	79	Gold	Au	196.96654
26	Iron	Fe	55.845	80	Mercury	Hg	200.59
27	Cobalt	Co	58.93320	81	Thallium	Tl	204.3833
28	Nickel	Ni	58.6934	82	Lead	Pb	207.2
29	Copper	Cu	63.546	83	Bismuth	Bi	208.98037
30	Zinc	Zn	65.39	84	Polonium	Po	208.9824*
31	Gallium	Ga	69.723	85	Astatine	At	209.9871*
32	Germanium	Ge	72.61	86	Radon	Rn	222.0176*
33	Arsenic	As	74.92159	87	Francium	Fr	223.0197*
34	Selenium	Se	78.96	88	Radium	Ra	226.0254*
35	Bromine	Br	79.904	89	Actinium	Ac	227.0278*
36	Krypton	Kr	83.80	90	Thorium	Th	232.0381*
37	Rubidium	Rb	85.4678	91	Protactinium	Pa	231.0388*
38	Strontium	Sr	87.62	92	Uranium	U	238.0289
39	Yttrium	Y	88.90585	93	Neptunium	Np	237.0482*
40	Zirconium	Zr	91.224	94	Plutonium	Pu	244.0642*
41	Niobium	Nb	92.90638	95	Americium	Am	243.0614*
42	Molybdenum	Mo	95.94	96	Curium	Cm	247.0703*
43	Technetium	Tc	97.9072*	97	Berkelium	Bk	247.0703*
44	Ruthenium	Ru	101.07	98	Californium	Cf	251.0796*
45	Rhodium	Rh	102.90550	99	Einsteinium	Es	252.083*
46	Palladium	Pd	106.42	100	Fermium	Fm	257.0951*
47	Silver	Ag	107.8682	101	Mendelevium	Md	258.10*
48	Cadmium	Cd	112.411	102	Nobelium	No	259.1009*
49	Indium	In	114.818	103	Lawrencium	Lr	262.11*
50	Tin	Sn	118.710	104	Unnilquadium	Unq	261.11*
51	Antimony	Sb	121.760	105	Unnilpentium	Unp	262.114*
52	Tellurium	Te	127.60	106	Unnilhexium	Unh	263.118*
53	Iodine	I	126.90447	107	Unnilseptium	Uns	262.12*
54	Xenon	Xe	131.29				