

# PERIODIC TABLE (BASIC)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1 H Hydrogen 1.008	2 He Helium 4.0026																	
3 Li Lithium 6.941	4 Be Beryllium 9.0122																	
5 B Boron 10.81	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.180													
11 Na Sodium 22.990	12 Mg Magnesium 24.305	13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.06	17 Cl Chlorine 35.45	18 Ar Argon 39.948											
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.956	22 Ti Titanium 47.88	23 V Vanadium 50.942	24 Cr Chromium 52.00	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.69	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.723	32 Ge Germanium 72.63	33 As Arsenic 74.922	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.80	
37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.94	43 Tc Technetium 98	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.91	46 Pd Palladium 106.42	47 Ag Silver 107.868	48 Cd Cadmium 112.41	49 In Indium 114.818	50 Sn Tin 118.710	51 Sb Antimony 121.757	52 Te Tellurium 127.6	53 I Iodine 126.905	54 Xe Xenon 131.29	
55 Cs Cesium 132.905	56 Ba Barium 137.327	57-71 Lanthanide Series		72 Hf Hafnium 178.49	73 Ta Tantalum 180.948	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.222	78 Pt Platinum 195.084	79 Au Gold 196.967	80 Hg Mercury 200.59	81 Tl Thallium 204.38	82 Pb Lead 207.2	83 Bi Bismuth 208.98	84 Po Polonium 209	85 At Astatine 210	
87 Fr Francium 223	88 Ra Radium 226	89-103 Actinide Series		104 Rf Rutherfordium 261	105 Db Dubnium 262	106 Sg Seaborgium 266	107 Bh Bohrium 264	108 Hs Hassium 277	109 Mt Meitnerium 268	110 Ds Darmstadtium 271	111 Rg Roentgenium 272	112 Cn Copernicium 285	113 Nh Nihonium 286	114 Fl Flerovium 289	115 Uup Ununpentium 288	116 Lv Livermorium 293	117 Ts Tennessine 294	118 Og Oganesson 294

C Solid

Hg Liquid

H Gas

Rf Unknown

Metals

Nonmetals

Alkali metals

Alkaline earth metals

Lanthanides

Actinides

Transition metals

Post-transition metals

Noble gases

Atomic #

Symbol

Name

Weight

1	H	Hydrogen	1.008
2	He	Helium	4.0026
3	Li	Lithium	6.941
4	Be	Beryllium	9.0122
5	B	Boron	10.81
6	C	Carbon	12.011
7	N	Nitrogen	14.007
8	O	Oxygen	15.999
9	F	Fluorine	18.998
10	Ne	Neon	20.180
11	Na	Sodium	22.990
12	Mg	Magnesium	24.305
13	Al	Aluminum	26.982
14	Si	Silicon	28.086
15	P	Phosphorus	30.974
16	S	Sulfur	32.06
17	Cl	Chlorine	35.45
18	Ar	Argon	39.948
19	K	Potassium	39.098
20	Ca	Calcium	40.078
21	Sc	Scandium	44.956
22	Ti	Titanium	47.88
23	V	Vanadium	50.942
24	Cr	Chromium	52.00
25	Mn	Manganese	54.938
26	Fe	Iron	55.845
27	Co	Cobalt	58.933
28	Ni	Nickel	58.69
29	Cu	Copper	63.546
30	Zn	Zinc	65.38
31	Ga	Gallium	69.723
32	Ge	Germanium	72.63
33	As	Arsenic	74.922
34	Se	Selenium	78.96
35	Br	Bromine	79.904
36	Kr	Krypton	83.80
37	Rb	Rubidium	85.468
38	Sr	Strontium	87.62
39	Y	Yttrium	88.906
40	Zr	Zirconium	91.224
41	Nb	Niobium	92.906
42	Mo	Molybdenum	95.94
43	Tc	Technetium	98
44	Ru	Ruthenium	101.07
45	Rh	Rhodium	102.91
46	Pd	Palladium	106.42
47	Ag	Silver	107.868
48	Cd	Cadmium	112.41
49	In	Indium	114.818
50	Sn	Tin	118.710
51	Sb	Antimony	121.757
52	Te	Tellurium	127.6
53	I	Iodine	126.905
54	Xe	Xenon	131.29
55	Cs	Cesium	132.905
56	Ba	Barium	137.327
57	La	Lanthanum	138.905
58	Ce	Cerium	140.12
59	Pr	Praseodymium	140.908
60	Nd	Niodymium	144.24
61	Pm	Promethium	144.913
62	Sm	Samarium	150.36
63	Eu	Europium	151.964
64	Gd	Gadolinium	157.25
65	Tb	Terbium	158.925
66	Dy	Dysprosium	162.50
67	Ho	Holmium	164.930
68	Er	Erbium	167.259
69	Tm	Thulium	168.930
70	Yb	Ytterbium	173.054
71	Lu	Lutetium	174.967
72	Hf	Hafnium	178.49
73	Ta	Tantalum	180.948
74	W	Tungsten	183.84
75	Re	Rhenium	186.207
76	Os	Osmium	190.23
77	Ir	Iridium	192.222
78	Pt	Platinum	195.084
79	Au	Gold	196.967
80	Hg	Mercury	200.59
81	Tl	Thallium	204.38
82	Pb	Lead	207.2
83	Bi	Bismuth	208.98
84	Po	Polonium	209
85	At	Astatine	210
86	Rn	Radon	222
87	Fr	Francium	223
88	Ra	Radium	226
89	Ac	Actinium	227
90	Th	Thorium	232.038
91	Pa	Protactinium	231.036
92	U	Uranium	238.029
93	Np	Neptunium	237.048
94	Pu	Plutonium	244.064
95	Am	Americium	243.061
96	Cm	Curium	247.070
97	Bk	Berkelium	247.070
98	Cf	Californium	251.083
99	Es	Einsteinium	252.083
100	Fm	Fermium	257.103
101	Mn	Mendelevium	258.103
102	No	Nobelium	259.108
103	Lr	Lutetium	262.105
104	Rf	Rutherfordium	261
105	Db	Dubnium	262
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107	Bh	Bohrium	264
108	Hs	Hassium	277
109	Mt	Meitnerium	268
110	Ds	Darmstadtium	271
111	Rg	Roentgenium	272
112	Cn	Copernicium	285
113	Nh	Nihonium	286
114	Fl	Flerovium	289
115	Uup	Ununpentium	288
116	Lv	Livermorium	293
117	Ts	Tennessine	294
118	Og	Oganesson	294

270

For elements with no stable isotopes, the mass number of the isotope with the longest half-life is in parentheses.

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## Hydrogen

Hydrogen is a chemical element with chemical symbol H and atomic number 1. With an atomic weight of 1.00794 u, hydrogen is the lightest element on the periodic table. Its monatomic forms (H) is the most abundant chemical substance in the universe, constituting roughly 75% of all baryonic mass. Non-remnant stars are mainly composed of hydrogen in its plasma state. The most common isotope of hydrogen, termed protium (name rarely used, symbol <sup>1</sup>H), has a single proton and zero neutrons.

## Helium

Helium is a chemical element with symbol He and atomic number 2. It is a colorless, odorless, tasteless, non-toxic, inert, monatomic gas that heads the noble gas group in the periodic table. Its boiling and melting points are the lowest among the elements and it exists only as a gas except in extreme conditions.

## Lithium

Lithium (from Greek: λίθος lithos, "stone") is a chemical element with symbol Li and atomic number 3. It is a soft, silver-white metal belonging to the alkali metal group of chemical elements. Under standard conditions it is the lightest metal and the least dense solid element. Like all alkali metals, lithium is highly reactive and flammable. For this reason, it is typically stored in mineral oil. When cut open, lithium exhibits a metallic luster, but contact with moist air corrodes the surface quickly to a dull silvery gray, then black tarnish. Because of its high reactivity, lithium never occurs freely in nature, and instead, only appears in compounds, which are usually ionic. Lithium occurs in a number of pegmatitic minerals, but due to its solubility as an ion is present in ocean water and is commonly obtained from brines and clays.

# Periodic Table Basic Speedy Study Guides

**Lei Huang**



## **Periodic Table Basic Speedy Study Guides:**

**Periodic Table Basic** Speedy Publishing, 2014-09-04 Chemistry classes can be some of the most difficult classes for students. There are many formulas, numbers, and calculations to be done and memorized. Students are responsible for many tasks during the school year. Studying the periodic table of the elements of chemistry and physics can be overwhelming. A periodic table study guide can help students remember the chemical numbers and atomic weights of elements. It can be viewed at any time the student has idle time. They can refer to it while waiting in a line or when commuting on mass transportation. The guide is essentially a life saver. **Periodic Table (Basic) Speedy Study Guide** Speedy Publishing, 2014-07-04

The average chemistry student lives and breathes the information that is depicted on the periodic table. It is the entire comprehensive list of every element we know of and from these elements all things in our known universe evolve. It also lists atomic weight and the amount of electrons each element has in its structure. A pamphlet that depicts this table would be a go-to guide for all chemistry students throughout their schooling and possibly their career.

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An advanced

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Curtis,Marci Smith Deal,Christina Gawlik,Candace Joswick,Melissa Hulings,Kathleen C. Tice,2023-01-03 REA s TExES Core

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