Periodic Table Elements

The periodic table (https://byjus.com/periodic-table/) is said to be the most important part of chemistry as it makes it. All the elements are arranged in an informative order. They are positioned in the order from left to right and also top to bottom in an increasing order of their atomic numbers. This order coincides with the increase in their atomic mass.

Every chemical element consists of a particular atomic number illustrating number of protons present within the nucleus. Most of the elements are isotopes. They are grouped under a single element, and they are never separated in the table.

The table below consists of 118 elements of periodic table, sorted by atomic number, atomic weight, symbols, density, discovered year and the group.

Atomic No	Atomic Mass	Chemical Element Name	Symbol	Discovery (Year)	Group
1	1.0079	Hydrogen (https://byjus.com/chemistry/hydrogen/)	H	1776	1
2	4.0026	Helium (https://byjus.com/chemistry/helium/)	He	1895	18
3	6.941	Lithium (https://byjus.com/chemistry/lithium/)	Li	1817	1
4	9.0122	Beryllium (https://byjus.com/chemistry/beryllium/)	Be	1797	2
5	10.811	Boron (https://byjus.com/chemistry/boron/)	B	1808	13
6	12.0107	Carbon (https://byjus.com/chemistry/carbon1/)	C	Ancient	14
7	14.0067	Nitrogen (https://byjus.com/chemistry/nitrogen/)	N	1772	15
8	15.9994	Oxygen (https://byjus.com/chemistry/oxygen/)	O	1774	
9	18.9984	Fluorine (https://byjus.com/chemistry/fluorine/)	F	1886	
10	20.1797	Neon (https://byjus.com/chemistry/neon/)	Ne	1898	
11	22.9897	Sodium (https://byjus.com/chemistry/sodium/)	Na	1807	
12	24.305	Magnesium (https://byjus.com/chemistry/magnesium/)	Mg	1755	2
13	26.9815	Aluminum (https://byjus.com/chemistry/aluminum/)	Al		

14	28.0855	Silicon (https://byjus.com/chemistry/silicon/)	Si	1824	14
15	30.9738	Phosphorus (https://byjus.com/chemistry/phosphorus/)	P	1669	15
16	32.065	Sulfur (https://byjus.com/chemistry/sulfur/)	S	Ancient	16
17	35.453	Chlorine (https://byjus.com/chemistry/chlorine/)	Cl	1774	17
18	39.948	Argon (https://byjus.com/chemistry/argon/)	Ar	1894	18
19	39.0983	Potassium (https://byjus.com/chemistry/potassium/)	K	1807	1
20	40.078	Calcium (https://byjus.com/chemistry/calcium/)	Ca	1808	2
21	44.9559	Scandium (https://byjus.com/chemistry/scandium/)	Sc	1879	3
22	47.867	Titanium (https://byjus.com/chemistry/titanium/)	Ti	1791	4
23	50.9415	Vanadium (https://byjus.com/chemistry/vanadium/)	V	1830	5
24	51.9961	Chromium (https://byjus.com/chemistry/chromium/)	Cr	1797	6
25	54.938	Manganese (https://byjus.com/chemistry/manganese/)	Mn	1774	7
26	55.845	Iron (https://byjus.com/chemistry/iron/)	Fe	Ancient	8
27	58.9332	Cobalt (https://byjus.com/chemistry/cobalt/)	Co	1735	9
28	58.6934	Nickel (https://byjus.com/chemistry/nickel/)	Ni	1751	10
29	63.546	Copper (https://byjus.com/chemistry/copper/)	Cu	Ancient	11
30	65.39	Zinc (https://byjus.com/chemistry/zinc/)	Zn	Ancient	12
31	69.723	Gallium (https://byjus.com/chemistry/gallium/)	Ga	1875	13
32	72.64	Germanium (https://byjus.com/chemistry/germanium/)	Ge	1886	14
33	74.9216	Arsenic (https://byjus.com/chemistry/arsenic/)	As	Ancient	15
34	78.96	Selenium (https://byjus.com/chemistry/selenium/)	Se	1817	16
35	79.904	Bromine (https://byjus.com/chemistry/bromine/)	Br	1826	17
36	83.8	Krypton (https://byjus.com/chemistry/krypton/)	Kr	1898	18
37	85.4678	Rubidium (https://byjus.com/chemistry/rubidium/)	Rb	1861	1
38	87.62	Strontium (https://byjus.com/chemistry/strontium/)	Sr	1790	2
39	88.9059	Yttrium (https://byjus.com/chemistry/yttrium/)	Y	1794	3
40	91.224	Zirconium (https://byjus.com/chemistry/zirconium/)	Zr	1789	4
41	92.9064	Niobium (https://byjus.com/chemistry/niobium/)	Nb	1801	5
42	95.94	Molybdenum (https://byjus.com/chemistry/molybdenum/)	Mo	1781	6
43	98	Technetium (https://byjus.com/chemistry/technetium/)	Tc	1937	7
44	101.07	Ruthenium (https://byjus.com/chemistry/ruthenium/)	Ru	1844	8
45	102.9055	Rhodium (https://byjus.com/chemistry/rhodium/)	Rh	1803	9
46	106.42	Palladium (https://byjus.com/chemistry/palladium/)	Pd	1803	10
47	107.8682	Silver (https://byjus.com/chemistry/silver/)	Ag	Ancien	
48	112.411	Cadmium (https://byjus.com/chemistry/cadmium/)	Cd	1817	
49	114.818	Indium (https://byjus.com/chemistry/indium/)	In	1863	
50	118.71	Tin (https://byjus.com/chemistry/tin/)	Sn	Ancient	
51	121.76	Antimony (https://byjus.com/chemistry/antimony/)	Sb	Ancient	15

52	127.6	Tellurium (https://byjus.com/chemistry/tellurium/)	Te	1783	16
53	126.9045	Iodine (https://byjus.com/chemistry/iodine/)	In	1811	17
54	131.293	Xenon (https://byjus.com/chemistry/xenon/)	Xe	1898	18
55	132.9055	Cesium (https://byjus.com/chemistry/cesium/)	Cs	1860	1
56	137.327	Barium (https://byjus.com/chemistry/barium/)	Ba	1808	2
57	138.9055	Lanthanum (https://byjus.com/chemistry/lanthanum/)	La	1839	3
58	140.116	Cerium (https://byjus.com/chemistry/cerium/)	Ce	1803	101
59	140.9077	Praseodymium (https://byjus.com/chemistry/praseodymium/)	Pr	1885	101
60	144.24	Neodymium (https://byjus.com/chemistry/neodymium/)	Nd	1885	101
61	145	Promethium (https://byjus.com/chemistry/promethium/)	Pm	1945	101
62	150.36	Samarium (https://byjus.com/chemistry/samarium/)	Sm	1879	101
63	151.964	Europium (https://byjus.com/chemistry/europium/)	Eu	1901	101
64	157.25	Gadolinium (https://byjus.com/chemistry/gadolinium/)	Gd	1880	101
65	158.9253	Terbium (https://byjus.com/chemistry/terbium/)	Tb	1843	101
66	162.5	Dysprosium (https://byjus.com/chemistry/dysprosium/)	Dy	1886	101
67	164.9303	Holmium (https://byjus.com/chemistry/holmium/)	Ho	1867	101
68	167.259	Erbium (https://byjus.com/chemistry/erbium/)	Er	1842	101
69	168.9342	Thulium (https://byjus.com/chemistry/thulium/)	Tm	1879	101
70	173.04	Ytterbium (https://byjus.com/chemistry/ytterbium/)	Yb	1878	101
71	174.967	Lutetium (https://byjus.com/chemistry/lutetium/)	Lu	1907	101
72	178.49	Hafnium (https://byjus.com/chemistry/hafnium/)	Hf	1923	4
73	180.9479	Tantalum (https://byjus.com/chemistry/tantalum/)	Ta	1802	5
74	183.84	Tungsten (https://byjus.com/chemistry/tungsten/)	W	1783	6
75	186.207	Rhenium (https://byjus.com/chemistry/rhenium/)	Re	1925	7
76	190.23	Osmium (https://byjus.com/chemistry/osmium/)	Os	1803	8
77	196.9665	Iridium (https://byjus.com/chemistry/iridium/)	Ir	Ancient	11
78	192.217	Platinum (https://byjus.com/chemistry/platinum/)	Pt	1803	9
79	195.078	Gold (https://byjus.com/chemistry/gold/)	Au	1735	10
80	200.59	Mercury (https://byjus.com/chemistry/mercury/)	Hg	Ancient	12
81	204.3833	Thallium (https://byjus.com/chemistry/thallium/)	Tl	1861	13
82	207.2	Lead (https://byjus.com/chemistry/lead/)	Pb	Ancient	14
83	208.9804	Bismuth (https://byjus.com/chemistry/bismuth/)	Bi	Ancient	15
84	209	Polonium (https://byjus.com/chemistry/polonium/)	Po	1898	16
85	210	Astatine (https://byjus.com/chemistry/astatine/)	At	1940	
86	222	Radon (https://byjus.com/chemistry/radon/)	Rn	1900	
87	223	Francium (https://byjus.com/chemistry/francium/)	Fr	1939	
88	226	Radium (https://byjus.com/chemistry/radium/)	Ra	1898	
89	227	Actinium (https://byjus.com/chemistry/actinium/)	Ac	1899	3

90	232.0381	Thorium (https://byjus.com/chemistry/thorium/)	Th	1829	102
91	231.0359	Protactinium (https://byjus.com/chemistry/protactinium/)	Pa	1913	102
92	238.0289	Uranium (https://byjus.com/chemistry/uranium/)	U	1789	102
93	237	Neptunium (https://byjus.com/chemistry/neptunium/)	Np	1940	102
94	244	Plutonium (https://byjus.com/chemistry/plutonium/)	Pu	1940	102
95	243	Americium (https://byjus.com/chemistry/americium/)	Am	1944	102
96	247	Curium (https://byjus.com/chemistry/curium/)	Cm	1944	102
97	247	Berkelium (https://byjus.com/chemistry/berkelium/)	Bk	1949	102
98	251	Californium (https://byjus.com/chemistry/californium/)	Cf	1950	102
99	252	Einsteinium (https://byjus.com/chemistry/einsteinium/)	Es	1952	102
100	257	Fermium (https://byjus.com/chemistry/fermium/)	Fm	1952	102
101	258	Mendelevium (https://byjus.com/chemistry/mendelevium/)	Md	1955	102
102	259	Nobelium (https://byjus.com/chemistry/nobelium/)	No	1958	102
103	262	Lawrencium (https://byjus.com/chemistry/lawrencium/)	Lr	1961	102
104	261	Rutherfordium (https://byjus.com/chemistry/rutherfordium/)	Rf	1964	4
105	262	Dubnium (https://byjus.com/chemistry/dubnium/)	Db	1967	5
106	266	Seaborgium (https://byjus.com/chemistry/seaborgium/)	Sg	1974	6
107	264	Bohrium (https://byjus.com/chemistry/bohrium/)	Bh	1981	7
108	277	Hassium (https://byjus.com/chemistry/hassium/)	Hs	1984	8
109	268	Meitnerium (https://byjus.com/chemistry/meitnerium/)	Mt	1982	9
110	261.9	Darmstadtium (https://byjus.com/chemistry/darmstadtium/)	Ds	1994	10
111	271.8	Roentgenium (https://byjus.com/chemistry/roentgenium/)	Rg	1994	11
112	285	Copernicium (https://byjus.com/chemistry/copernicium/)	Cn	1996	12
113	286	Ununtrium (https://byjus.com/chemistry/ununtrium/)	Uut	2003	13
114	289	Flerovium (https://byjus.com/chemistry/flerovium/)	Fl	1998	14
115	288	Ununpentium (https://byjus.com/chemistry/ununpentium/)	Uup	2010	15
116	293	Livermorium (https://byjus.com/chemistry/livermorium/)	Lv	2000	16
117	260.9	Ununseptium (https://byjus.com/chemistry/ununseptium/)	Uus	2010	17
118	294	Ununoctium (https://byjus.com/chemistry/ununoctium/)	Uuo	2006	18

Practise This Question

In cold countries ethylene glycol is added to water in the radiators to**[CPMT 1971; NCERT 1971; MP PMT 1993]**

- Bring down the specific heat of water
- Lower the viscosity
- Reduce the viscosity
- Make water a better lubricant

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Practise This Question

Substances used in bringing down the temperature in high fevers are called **[DPMT 1983]**

- Pyretics
- Antipyretics
- Antibiotics
- Antiseptics

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