

CLASS 10 CHEMISTRY – FIRST 30 ELEMENTS (NCERT BASED)

No	Name	Symbol	Atomic No.	Atomic Mass	Electronic Configuration	Valency
1	Hydrogen	H	1	1	1	1
2	Helium	He	2	4	2	0
3	Lithium	Li	3	7	2,1	1
4	Beryllium	Be	4	9	2,2	2
5	Boron	B	5	11	2,3	3
6	Carbon	C	6	12	2,4	4
7	Nitrogen	N	7	14	2,5	3
8	Oxygen	O	8	16	2,6	2
9	Fluorine	F	9	19	2,7	1
10	Neon	Ne	10	20	2,8	0
11	Sodium	Na	11	23	2,8,1	1
12	Magnesium	Mg	12	24	2,8,2	2
13	Aluminium	Al	13	27	2,8,3	3
14	Silicon	Si	14	28	2,8,4	4
15	Phosphorus	P	15	31	2,8,5	3,5
16	Sulphur	S	16	32	2,8,6	2
17	Chlorine	Cl	17	35.5	2,8,7	1
18	Argon	Ar	18	40	2,8,8	0
19	Potassium	K	19	39	2,8,8,1	1
20	Calcium	Ca	20	40	2,8,8,2	2
21	Scandium	Sc	21	45	2,8,9,2	3
22	Titanium	Ti	22	48	2,8,10,2	3,4
23	Vanadium	V	23	51	2,8,11,2	5,4,3,2
24	Chromium	Cr	24	52	2,8,13,1	2,3,6
25	Manganese	Mn	25	55	2,8,13,2	2–7
26	Iron	Fe	26	56	2,8,14,2	2,3
27	Cobalt	Co	27	59	2,8,15,2	2,3
28	Nickel	Ni	28	58.7	2,8,16,2	2
29	Copper	Cu	29	63.5	2,8,18,1	1,2
30	Zinc	Zn	30	65	2,8,18,2	2

Note: Valency may vary for transition elements. Data based on NCERT (approx values).