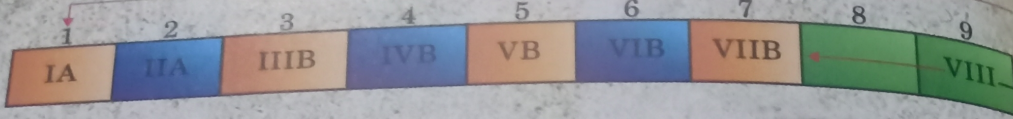


PERIODIC TABLE

GROUP NUMBER



"The elements, if arranged according to their atomic weights, exhibit an apparent periodicity of properties."

- Dmitri Mendeleev

s-Block

1	3 6.941 Li Lithium $2s^1$	4 9.012 Be Beryllium $2s^2$							
2	[He]								
3	11 22.990 Na Sodium $3s^1$	12 24.305 Mg Magnesium $3s^2$							
4	[Ne]								
5	19 39.098 K Potassium $4s^1$	20 40.078 Ca Calcium $4s^2$	21 44.956 Sc Scandium $3d^1 4s^2$	22 47.88 Ti Titanium $3d^2 4s^2$	23 50.942 V Vanadium $3d^3 4s^2$	24 51.996 Cr Chromium $3d^5 4s^1$	25 54.938 Mn Manganese $3d^5 4s^2$	26 55.845 Fe Iron $3d^6 4s^2$	27 58.933 Co Cobalt $3d^7 4s^2$
6	[Ar]								
7	37 85.468 Rb Rubidium $5s^1$	38 87.62 Sr Strontium $5s^2$	39 88.906 Y Yttrium $4d^1 5s^2$	40 91.224 Zr Zirconium $4d^2 5s^2$	41 92.906 Nb Niobium $4d^4 5s^1$	42 95.94 Mo Molybdenum $4d^5 5s^1$	43 [*98] Tc Technetium $4d^5 5s^2$	44 101.07 Ru Ruthenium $4d^7 5s^1$	45 102.91 Rh Rhodium $4d^8 5s^1$
8	[Kr]								
9	55 132.90 Cs Cesium $6s^1$	56 137.33 Ba Barium $6s^2$	• 57 138.91 La Lanthanum $5d^1 6s^2$	72 178.49 Hf Hafnium $4f^{14} 5d^2 6s^2$	73 180.95 Ta Tantalum $4f^{14} 5d^3 6s^2$	74 183.84 W Tungsten $4f^{14} 5d^4 6s^2$	75 186.21 Re Rhenium $4f^{14} 5d^5 6s^2$	76 190.23 Os Osmium $4f^{14} 5d^6 6s^2$	77 192.22 Ir Iridium $4f^{14} 5d^7 6s^2$
10	[Xe]								
11	87 [223] Fr Francium $7s^1$	88 [226] Ra Radium $7s^2$	•• 89 [227] Ac Actinium $6d^1 7s^2$	* 104 [261] Rf Rutherfordium $5f^{14} 6d^2 7s^2$	* 105 [262] Db Dubnium $5f^{14} 6d^3 7s^2$	* 106 [266] Sg Seaborgium $5f^{14} 6d^4 7s^2$	* 107 [264] Bh Bohrium $5f^{14} 6d^5 7s^2$	* 108 [267] Hs Hassium $5f^{14} 6d^6 7s^2$	* 109 [268] Mt Meitnerium $5f^{14} 6d^7 7s^2$
12	[Rn]								

d-Block

• Lanthanoids

58 140.12 Ce Cerium $4f^1 5d^1 6s^2$	59 140.91 Pr Praseodymium $4f^3 6s^2$	60 144.24 Nd Neodymium $4f^4 6s^2$	61 [*145] Pm Promethium $4f^5 6s^2$	62 150.36 Sm Samarium $4f^6 6s^2$
90 [232.04] Th Thorium $6d^2 7s^2$	91 [231.04] Pa Protactinium $5f^2 6d^1 7s^2$	92 [238.03] U Uranium $5f^3 6d^1 7s^2$	93 [237] Np Neptunium $5f^4 6d^1 7s^2$	94 [244] Pu Plutonium $5f^6 7s^2$

•• Actinoids

* - IUPAC recommendation-1997

** - IUPAC recommendation-2012

[] - Most Stable Isotopes

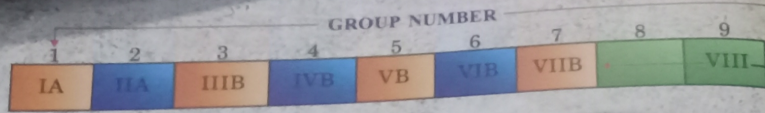
[*] - Technetium and Promethium are the only two elements with stable forms & also whose Isotopes are radioactive

Alkali Metal

Alkaline Metal

Transition Metal

PERIODIC TABLE



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s-Block

1	2	3	4	5	6	7	8	9
IA	IIA	IIIB	IVB	VB	VIB	VII B	VIII	VIII

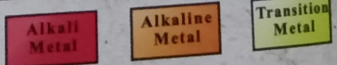
d-Block

1	2	3	4	5	6	7	8	9
Li	Be							
Na	Mg							
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt

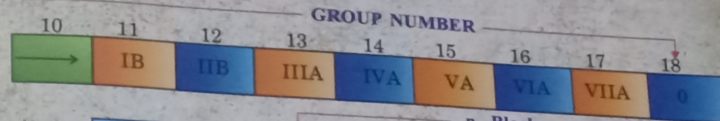
f-Block

58	59	60	61	62
Ce	Pr	Nd	Pm	Sm
90	91	92	93	94
Th	Pa	U	Np	Pu

* - IUPAC recommendation-1997
 ** - IUPAC recommendation-2012
 [] - Most Stable Isotopes
 [*] - Technetium and Promethium are the only two elements with stable forms & also whose isotopes are radioactive



OF ELEMENTS



Atomic Number: 1, 1.0079
 Element Name: H, Hydrogen
 Relative Atomic Weight: 1.0079
 Symbol: H
 Electronic Configuration: 1s¹

p-Block

5	6	7	8	9	10
B	C	N	O	F	Ne
13	14	15	16	17	18
Al	Si	P	S	Cl	Ar
Ni	Cu	Zn	Ga	Ge	As
Pd	Ag	Cd	In	Sn	Sb
Pt	Au	Hg	Tl	Pb	Bi
*Ds	*Rg	*Cn	Uut	**Fl	Uup

f-Block

63	64	65	66	67	68	69	70	71
Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
95	96	97	98	99	100	101	102	103
Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

