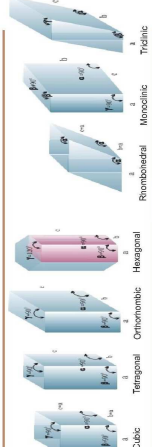
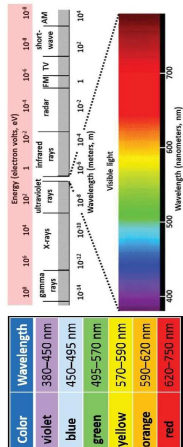
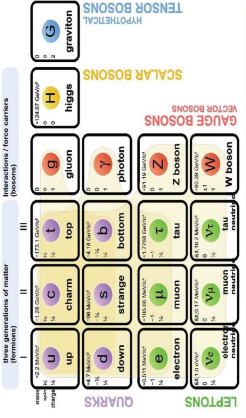


Radioactive

Standard Model of Elementary Particles



- Alkali Metals
- Alkali Earth Metals
- Transition Metals
- Lanthanide
- Actinoids
- Semimetals
- Other Metals
- Other None Metals
- Halogens
- Nobel Gases

Note:- For representative oxide of group oxide is acidic if color is red, basic if color is blue amphoteric if both color are shown, if color is black oxide not known
 Note:- The color of the symbol is color of element in its most common pure form Example:- Metal, None-metal, T. Metal, Enere T. Metal, Semimetals etc.
 Note:- Elements in the same group, or column are similar because they typically have the same number of outer electrons
 Note:- An atom has a nucleus, made of protons and Neutrons, surrounded by electrons orbiting in cloud like shell.
 Note:- Electronic Configuration diagram show how the order of atomic energy levels corresponds to the arrangement of elements in the Periodic Table
 Note:- Magic Number:- In nuclear Physics, a magic number is number of nucleons (either protons or neutrons, separately) such that they are arranged in to complete shell within the atomic nucleus. The seven most widely recognized magic numbers are 2, 8, 20, 28, 50, 82, and 126.



MODERN LONG FORM OF PERIODIC TABLE

BY MULTIDIMENSIONAL EDUCATIONAL TECHNICAL & RESEARCH SOCIETY

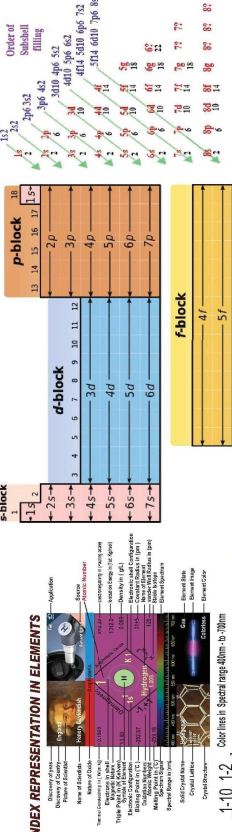


$$[ns np^1-6] p^2-6 BLOCK ELEMENTS$$

This table shows some easy to remember common number for easy group

Group No	1	2	3-12	13	14	15	16	17	18
Outer Electrons	1	2	2	3	4	5	6	7	8
Valence No	1	2	2	3	4	5	6	7	0

INDEX REPRESENTATION IN ELEMENTS



INNER TRANSITION ELEMENTS

Block	s-block	p-block	d-block	f-block
Group	1, 2	13, 14, 15, 16, 17, 18	3, 4, 5, 6, 7, 8, 9, 10, 11, 12	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Period	1, 2	2, 3, 4, 5, 6, 7	3, 4, 5, 6, 7, 8, 9, 10, 11, 12	4, 5, 6, 7, 8, 9, 10, 11, 12
Element	Li, Be, Na, Mg, K, Ca, Rb, Sr, Cs, Ba, Fr	B, C, N, O, F, Ne, Al, Si, P, S, Cl, Ar, As, Se, Br, Kr, Sb, Te, I, Xe, Bi, Po, At, Rn	Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Kr, Rb, Sr, Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Pb, Bi, Po, At, Rn	Th, Pa, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr

INNER TRANSITION ELEMENTS

Note:- For representative oxide of group oxide is acidic if color is red, basic if color is blue amphoteric if both color are shown, if color is black oxide not known
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