Dobereiners Triads: had He make there some groups having element each in which civerage of first's and thisels atomic man is equal to middle one. Ca -> 40.1 Li - 6.9 -> 14 Sr -> 87.6 Na -> 23 P -> 31 K - 39 Ba -> 137.3 As -> 74.9

But it was not found useful as \$11ke first one many briads were proved whong.

Newland's Octaves: He bod

compared the elements with increasing atomic mass with musical notes

(so re go ma po dha no) and found that property of reighth elements repeat with first.

But It way only applicable for light as it is way only applicable for light element. He also proposed that only 56 elements existed in nature but several new elements were also cliscovered.

Pable: He Sorted Periodic Mendleev's similar Chemical out the elements of properties properties by seeing oxides and hydrides. their formulae of And Me arranged the 63 known at elements that time, Race order with increasing the He Saw atomic Man and formulated Periodic law 0 * that " the properties of elements are periodic function of their atomic mass". His periodic table was so accurate. That after the inventi-00 noble 200 they get easily fitted in his atomic table. He boldly per predicted that some elements will get discoved and decided their position already . But he was not able to define the position as it has properties of both alkali of hydrogen metals and hologens. Also after the discovery of isotopes his periodic table get totally failed ...

Modern Periodic Poble: Henry

Moseley introduced new Periodic

Law states the periodic function

Properties of elements are periodic function

on of their atomic number! And

this changes the whole history

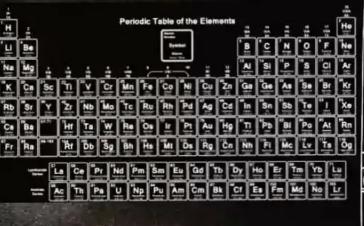
of Periodic toble.

After that all elements get arronged

with increasing atomic no. which

helps to see the properties of

elements p more precisely.



Position of Elements & Periodic table 18 vertical columns called group and 7 horizontal rows called Periods. Elements in each group have same valence.

have same valence like Carbon (c),

Silicon (si), Germanithm (Ge), Pin (Sn), lead (Pb)

have same no. of valence electrons that is have same no. of valence electrons left to right we see increase in one electron with one step which shows increase in atomic no.

Valency: No. of electrons present in automic no.

Atomic Size: The atomic size is visualised as the clistance from centre of nucleus to outermost shell of isolated atom.

Ex atomic size of hydrogen(H) atom is 37 pm

(1pm = 10-12 m)

Metallic Elements having less no. of valence electrons and Non o are usually metals take as they can loose Metallic o electrons very easily and Non Metals Characters have high valence electrons that's why mostly they use to share.