

modern periodic law means that if elements are arranged in tabular form in the order of increasing atomic numbers, then the elements having similar properties will occur after fixed intervals or periods. Actually, when elements are arranged according to increasing atomic numbers, there is a periodicity in the electronic configuration of elements. The periodicity in electronic configuration of elements leads to the periodicity in their ~~or~~ chemical properties. The elements having similar electronic configuration show similar chemical properties.

## MODERN PERIODIC TABLE JSC 20

The modern periodic table was prepared by Bohr. It is also known as long form long form of periodic table. In the modern modern periodic table, the elements are arranged in the order of increasing atomic numbers in horizontal rows called periods. We place under each element all other elements having the same number of valence electrons so that all the elements having same number of valence electrons come in the same ~~va~~ vertical column or group. Since the ~~ele~~ elements having same number of valence electrons show similar properties, therefore all the elements in a particular group of the periodic table have similar properties. It is obvious that the arrangement