

## Limitations of VSEPR Theory :-

- 1) This theory fails to explain isoelectronic species (i.e. elements having the same no. of electrons). The species may vary in shapes despite having the same no. of electrons.
- 2) The structure of several transition metal compound cannot be correctly explained by this theory.
- 3) VSEPR theory does not explain the structure of halides of group 2 elements. According to this theory halides of group 2 elements will have a linear structure whereas their actual structure is a bent one.

Q. What is VSEPR Number?

Ans. The VSEPR number describes the shape of the molecules, as listed below:-

VSEPR number	Shapes of the Molecule
2	Linear
3	Trigonal planar
4	Tetrahedral
5	Trigonal Bipyramidal
6	Octahedral
7	Pentagonal Bipyramidal