

Title: Chemical Bonding

Class: 11

Subject: Chemistry

1. Introduction:

Chemical bonding refers to the attractive force which holds two or more atoms together.

2. Types of Bonds:

- Ionic Bond: Transfer of electrons.
- Covalent Bond: Sharing of electrons.
- Coordinate Bond: One atom donates both electrons.

3. VSEPR Theory:

Predicts molecular shapes based on electron pair repulsions.

4. Hybridization:

Mixing of atomic orbitals to form new hybrid orbitals.

5. Practice Questions:

Q1. Explain the difference between ionic and covalent bonds.

Q2. What is the shape of NH_3 molecule? Explain.