

Cause and Modes of chemical combination.

Chemical combination takes place due to following reasons.

- (1) Chemical bonding takes place to acquire a state of minimum energy and maximum stability.
- (2) By formation of chemical bond, atoms convert into molecule to acquire stable configuration of the nearest noble gas.

Modes: Chemical bonding can occur in the following manner.

Transfer of electrons from one atom to another	}—	Ionic bond
Mutual sharing of electrons between the atoms	}—	Covalent bond
Mutual sharing of electrons provided entirely by one of the atoms	}—	Co-ordination bond