

Ionic Compounds

- When atoms of various elements exchange or transfer electrons, ionic compounds develop.
- Ionic compounds are those where the electrons are shared from one atom to another.
- Ionic compounds are made up of ions with opposing charges kept together by ionic bonds.
- Ionic compounds have a total net neutral charge because the opposite charges balance each other out.
- Metals transmit valence electrons to nonmetals to generate ionic compounds.

Ionic Crystal Lattices



Crystals

- Crystals of ionic substances exist rather than molecules.
- Numerous consecutive positive and negative ions are linked together in a structure to form a crystal.

Properties Of Ionic Crystals

- Solids having high thermal stability are known as ionic compounds.
- They are highly conductive when dispersed in water, but only then.
- The crystals are hard and brittle.
- Have high melting and boiling points.
- Have strong absorption of infrared radiation