

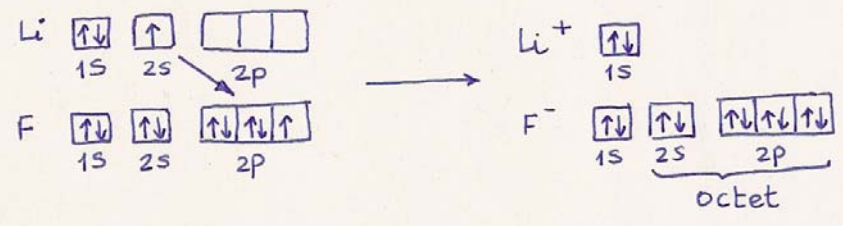
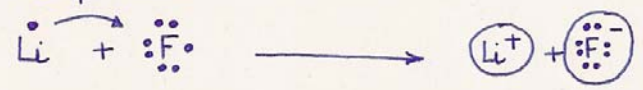
CHEMICAL BONDING

(M... metal; X... nonmetal)

$M+X$
combination

IONIC BONDING

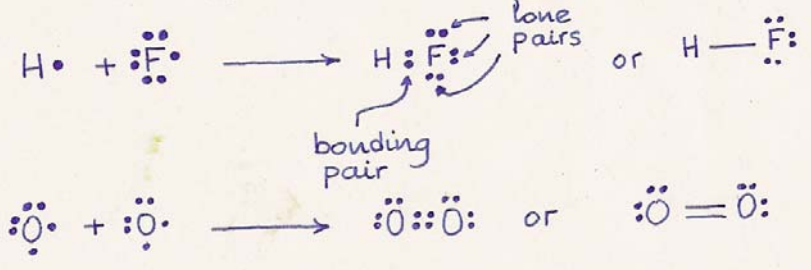
↳ transfer of electrons from metal to nonmetal to form IONS that come together in a SOLID IONIC COMPOUND



$X+X$
combination

COVALENT BONDING

↳ unpaired electrons are shared between two atoms



$M+M$
combination

METALLIC BONDING

↳ valence (outer) electrons form an "electron sea": the electrons are delocalized throughout the substance.

