

Covalent bonds

Covalent bond: formed when two atoms share electrons.

*nonmetals can bond with other nonmetals by sharing electrons. They can even bond with another atom of the same element. Ex: F₂

molecule: a neutral group of atoms joined by covalent bonds.

double bond: two atoms share two pairs of electrons. Ex: O₂, CO₂

triple bonds: atoms share three pairs of electrons. Ex: N₂

molecular compound: Compound that is composed of molecules.

polar bond: a covalent bond in which electrons are shared unequally. Ex: H₂O

nonpolar bond: electrons are shared equally. Ex: F₂, oil