

Chemistry
Notes Ch. 16-Chemical bonding

Single covalent bond is a bond in which two atoms share a pair of electrons
The pair of electrons is represented with a dash

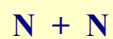
Structural formulas are chemical formulas that show the arrangement of atoms in molecules and polyatomic ions.

Ex. $\text{F} + \text{F}$

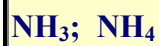
Double covalent bonds are bonds that involve two shared pairs of electrons.

Ex. $\text{O} + \text{O}$

Triple covalent bonds are bonds that involve three shared pairs of electrons



Coordinate covalent bond is a covalent in which one atom contributes both bonding electrons



Bond dissociation energy is the total energy required to break the bond between two covalently bonded atoms

