

Polar Bonds and Molecules

COVALENT BONDS

bonds formed when electrons are shared.

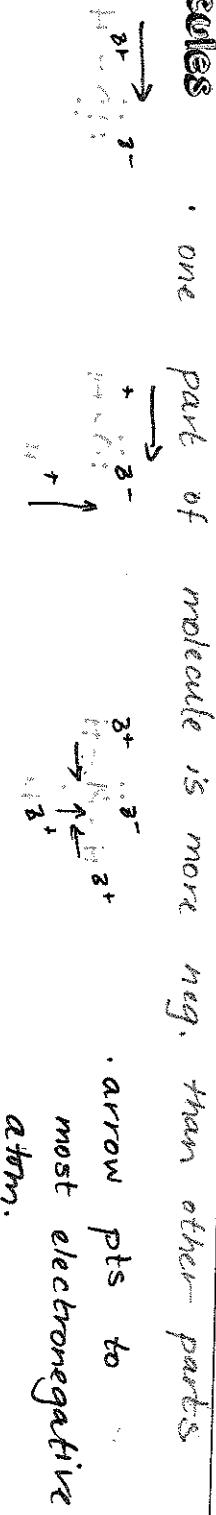
Pure Covalent/
Non-polar

- electrons are shared equally
- strong H_2 or He

Polar Covalent

• have an unequal sharing of electrons, caused by an unequal attraction for bonding electrons.
• one more electronegative!

Polar Molecules



1. All polar molecules are not symmetrical.
 2. Bent trigonal Pyramidal molecules are always asymmetrical polar.
- Properties: polar solutes dissolves in polar solvents. (will dissolve in water as water is polar)

