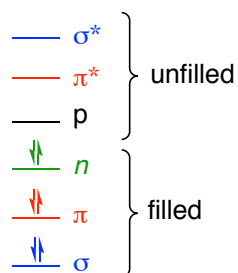


# Frontier Molecular Orbitals - Summary Sheet

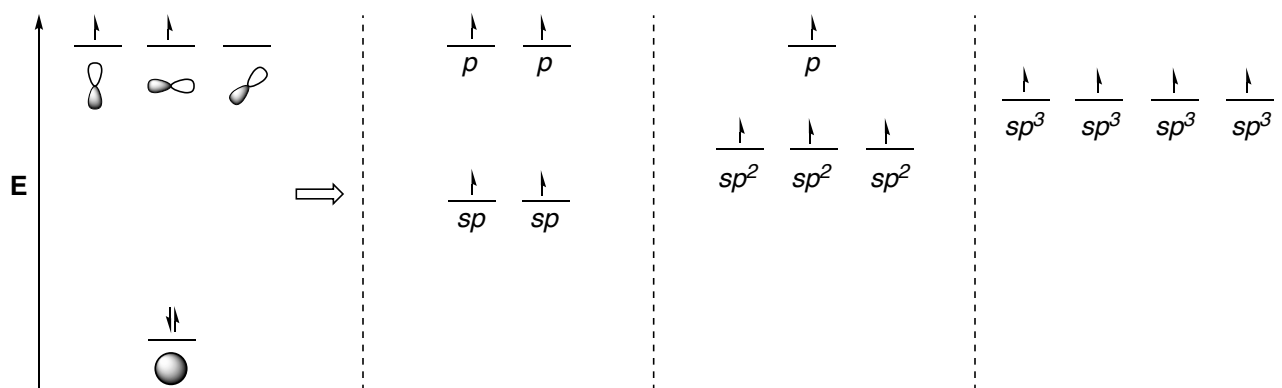
## MO's and Relative Energies:



Electrons in higher energy HOMO orbitals = more nucleophilic

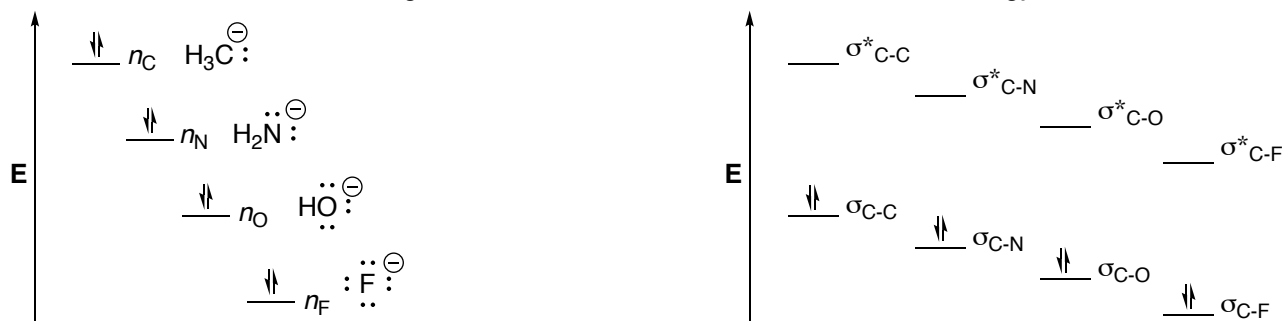
Lower energy LUMO orbitals = more electrophilic

## Hybridization:



## Electronegativity:

As atoms become more electronegative, the molecular orbitals become lower in energy.



## Bond Length:

As bonds become longer, the HOMO energy increases while the LUMO Energy decreases (pinching effect).

