## The Complete Table of Hybridization and Geometry



Number of Electron Domains (or "Number of electron pairs") = (Number of Other Atoms Something is Bonded To) + (Number of Lone Pairs)
Hybrid orbitals are used to form $\sigma$ bonds and to hold lone pairs of electrons.
Unhybridized p orbitals are used to form $\pi$ bonds.
***Note: "Polar?" refers to a molecule in which all terminal atoms are the same. In general, if terminal atoms are different, the molecule will be polar.

