





















- Need to include some of the *d-orbitals* in our hybridization scheme:

 - **s** + **ppp** + **dd** = *SIX* <u>**sp**</u>³**d**² hybrid orbitals in an **octahedral** orientation
 - So *that*'s why P and S can accommodate "expanded octets" but N and O cannot . . . there are no "2d" orbitals!

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