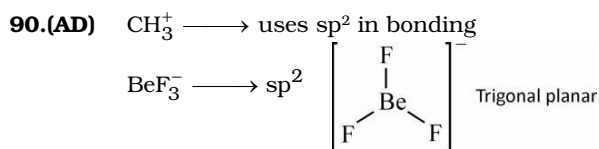
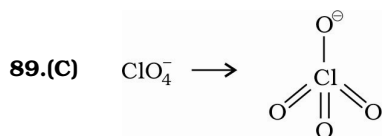
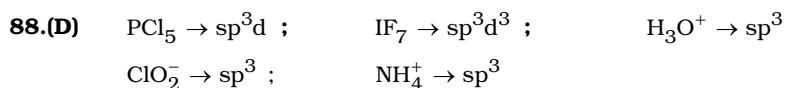
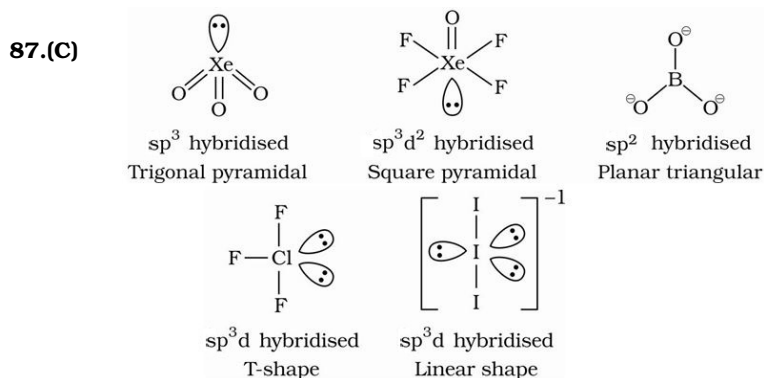
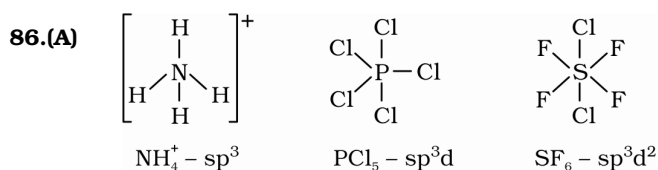
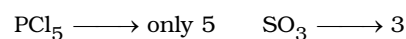


Daily Tutorial Sheet-7

Level - 2



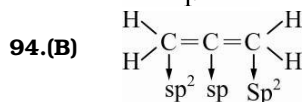
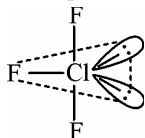
91.(D) For hybridization number ≥ 6 , we have



$\therefore$ XeF_6 , Xe forms seven hybrid orbitals (sp^3d^3)

92.(D) $\text{XeOF}_4 \rightarrow$ Hybridisation = 6 $\rightarrow \text{sp}^3\text{d}^2$. $\therefore 5\text{b.p} + 1\text{l.p} \rightarrow$ Hence, square pyramidal.

93.(C) Lone pairs are always present at equatorial position to minimize both $\ell\text{p} - \text{bp}$ repulsions.



95.(A) In case of sp hybridization, one s-orbital and one p-orbital hybridise.