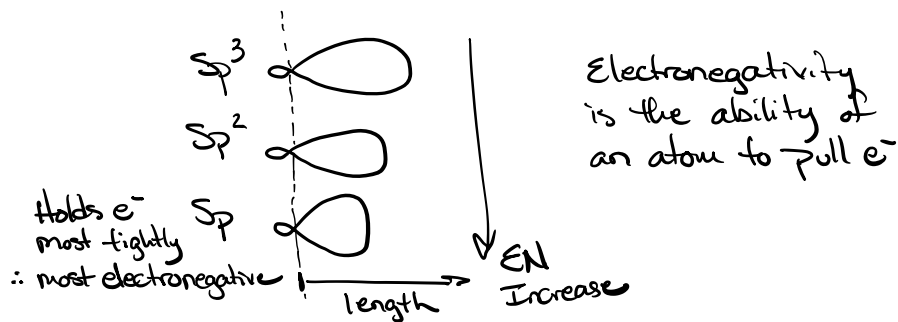
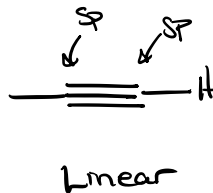
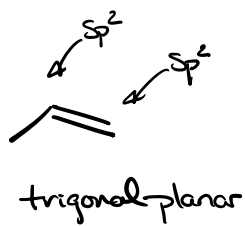
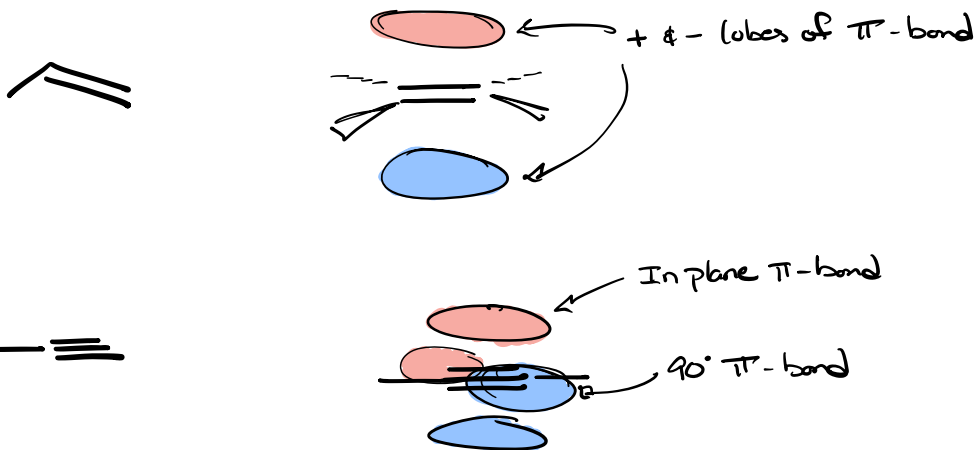
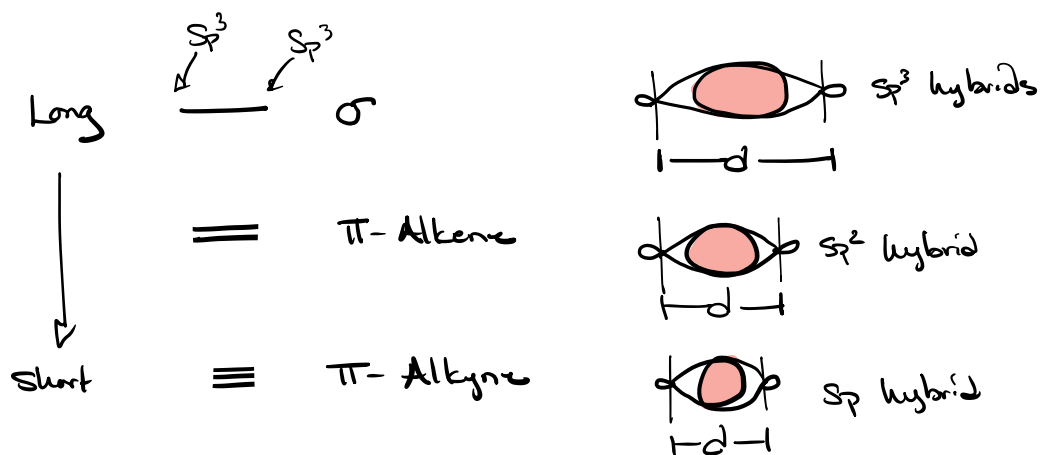


Alkynes



pKa	60	45	16	3
	<u>C-H</u>	<u>N-H</u>	<u>O-H</u>	<u>F-H</u>
	C^-	N^-	O^-	F^-
				\rightarrow more EN element More stable
	sp^3	sp^2	sp	
pKa	60	40	20	

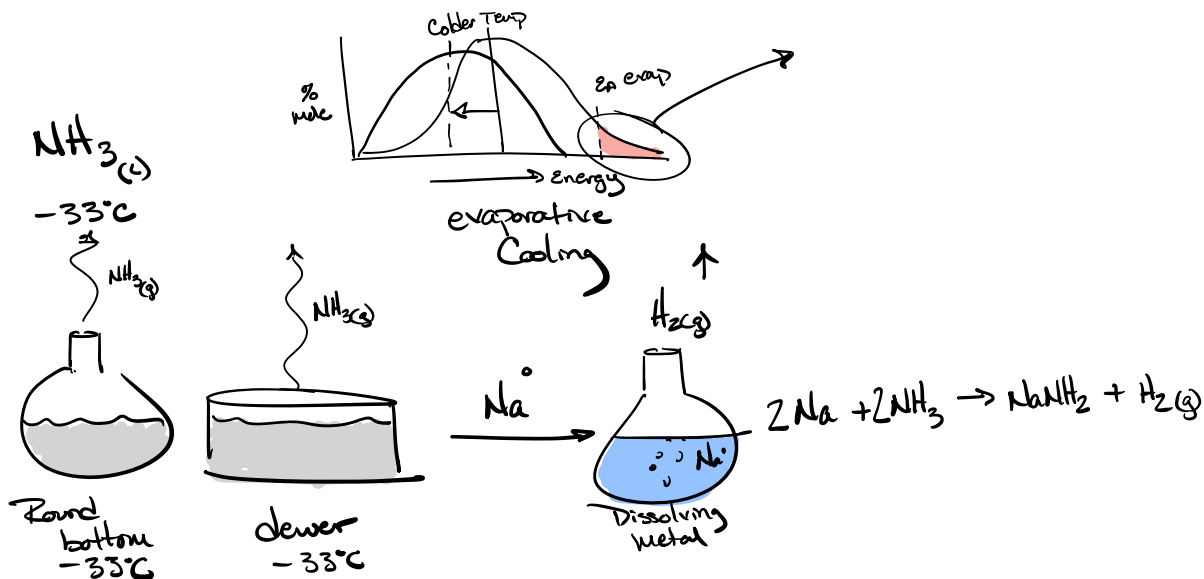
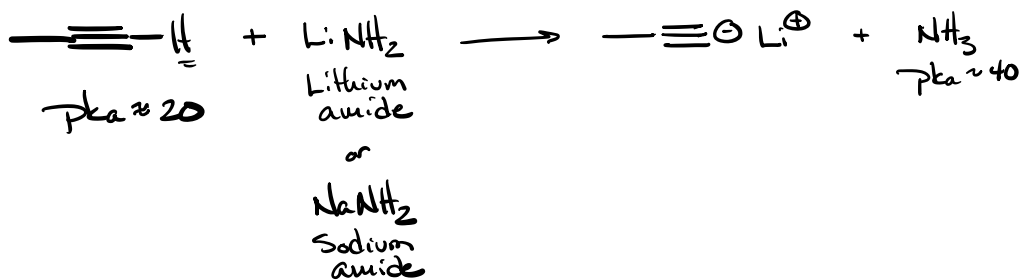


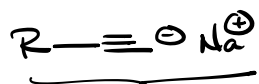


Bond length \propto hybridization

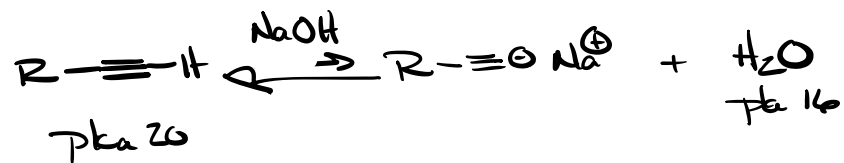
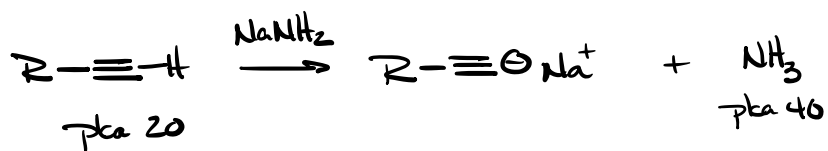
Reactions of Alkynes

Acidity





Carbon nucleophile
Can be a carbon
nucleophile



~~HOH~~ pKa 18

⇒ must use NaNH₂ or Li⁺ N⁻ (LDA)