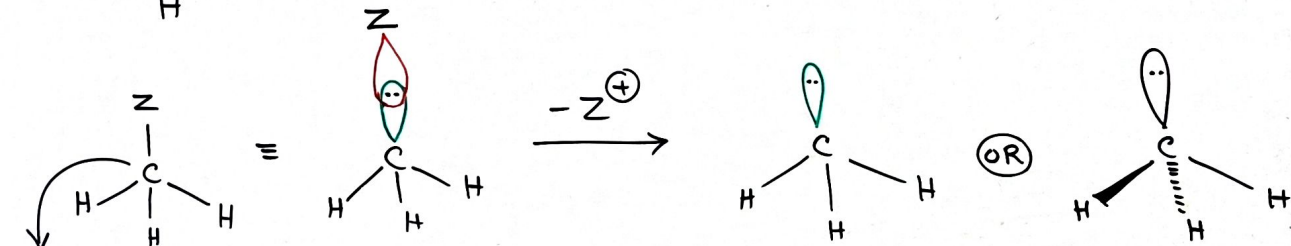
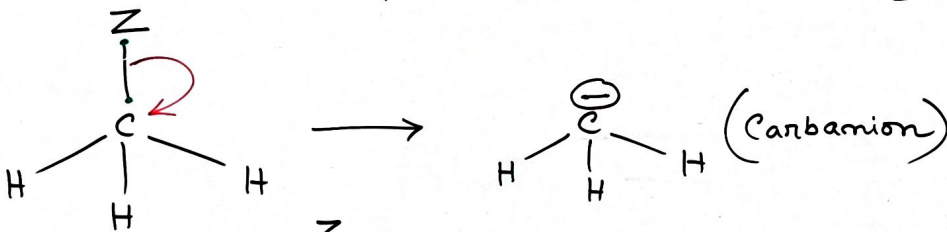


Carbanion :- Carbon species with -ve charge on it is called Carbanion.

कार्ब आनापन :- कार्बन पर उकारः ष्मनासक (-ve) अणन आरु- अरुम पदार्थरु कार्ब आनापन रलरु, e.g $\ominus\text{CH}_3$, $\text{CH}_3\text{-CH}_2\ominus$, $\begin{matrix} \text{H}_3\text{C} \\ | \\ \text{H}-\text{C} \\ | \\ \text{H}_3\text{C} \end{matrix} \ominus$ etc.



Bond angle = $109^\circ 28'$

Tetrahedral
(उःउरुकीरु)



Structure = Tetrahedral.

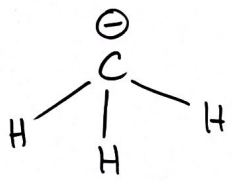
सडन = उःउरुकीरु-

Shape = Pyramidal

आरुः - ररुःररुकीरु-

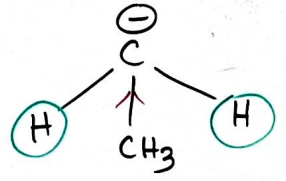
Bond angle (रुःरुःरुःरुःरुः) = $109^\circ 28'$

Hybridisation (सःरुःरुःरुःरुः) = sp^3



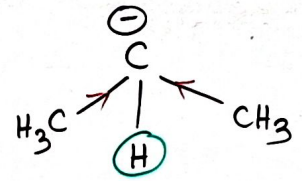
Methyl Carbanion.

No +I effect of alkyl group is present here.
 କାର୍ଯ୍ୟକାରୀତା ନାହିଁ, କାରଣ +I ପ୍ରଭାବ ନାହିଁ.



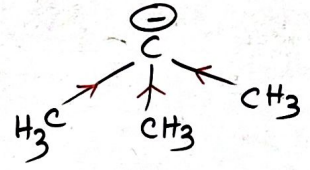
at least 2H, 1C
 (1°)
 Primary.

1 +I effect of one -CH₃ group disstabilizing the system in little amount.
 1 ଟି -CH₃ ଗ୍ରହଣ +I ପ୍ରଭାବ କାର୍ଯ୍ୟକାରୀତା ନାହିଁ, କାରଣ ଏହା ସିଷ୍ଟମକୁ କିଛି ପରି ଅସ୍ଥାୟୀ କରେ।



1H, 2C
 (2°)
 Secondary.

2 +I effects of 2 -CH₃ groups which also disstabilizing the system somewhat.
 2 ଟି -CH₃ ଗ୍ରହଣ +I ପ୍ରଭାବ କାର୍ଯ୍ୟକାରୀତା ନାହିଁ, କାରଣ ଏହା ସିଷ୍ଟମକୁ କିଛି ଅସ୍ଥାୟୀ କରେ।



No H, 3-C
 (3°)
 Tertiary.

+I effects of 3 methyl groups which increases the -ve charge on Carbanion. Thus disstabilizing the system.
 3 ଟି -CH₃ ଗ୍ରହଣ +I ପ୍ରଭାବ କାର୍ଯ୍ୟକାରୀତା ନାହିଁ, କାରଣ ଏହା ସିଷ୍ଟମକୁ ଅଧିକ ଅସ୍ଥାୟୀ କରେ।

Hence, Stability order
 ତଥ୍ୟ: ସ୍ଥାୟୀତା କ୍ରମ => Methyl Carbanion > 1° > 2° > 3° Carbanion