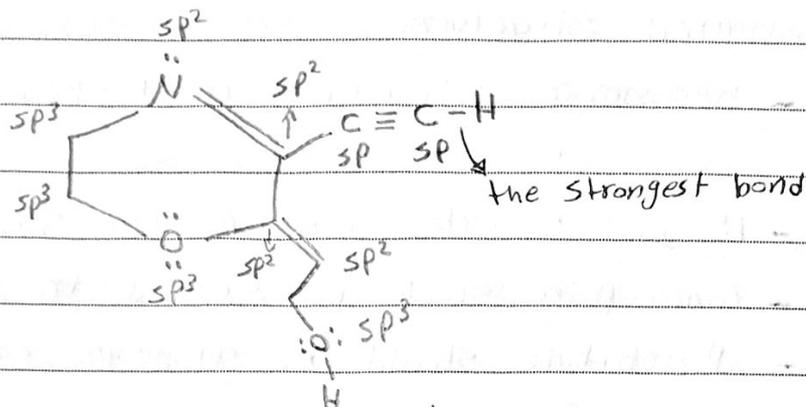
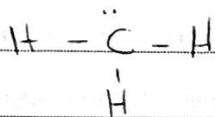


No. _____



what is the strongest bond? $sp-s$

Functional groups Table 1.6 page 30.



Hybridization: sp^3

Formal charge = -1 (carbanion)

Shape: Trigonal pyramidal

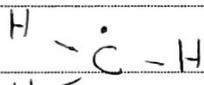


Hybridization: sp^2

FC = +1 (carbocation)

Shape: Trigonal planar

(existed as intermediate in the reactions)



Hybridization: prefers sp^2

FC = 0

Highly unstable, very dangerous

(odd electron existed in p orbital
(doesn't reach octet))

Free radical

when colliding with a compound^{it} breaks its bonds.

