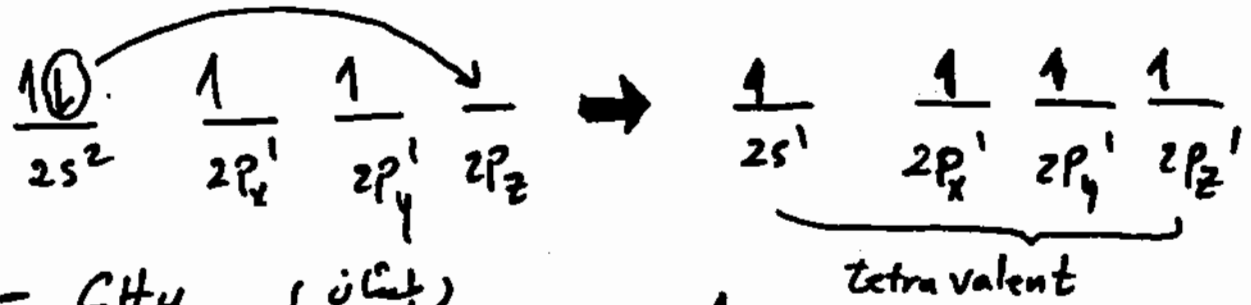


hybridization نظريّة التمازج الكربوني Theory (5)

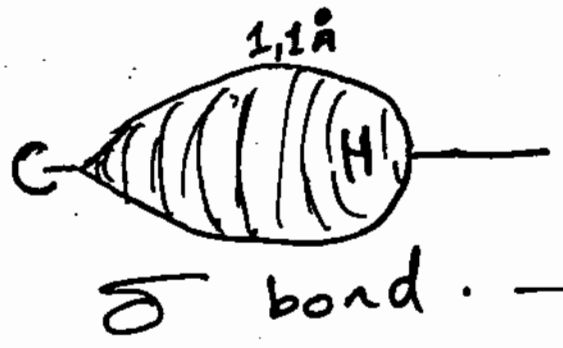
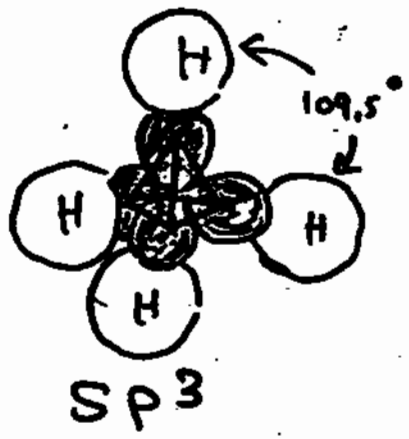
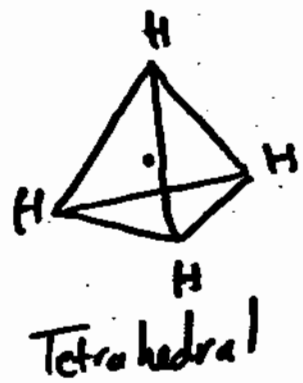
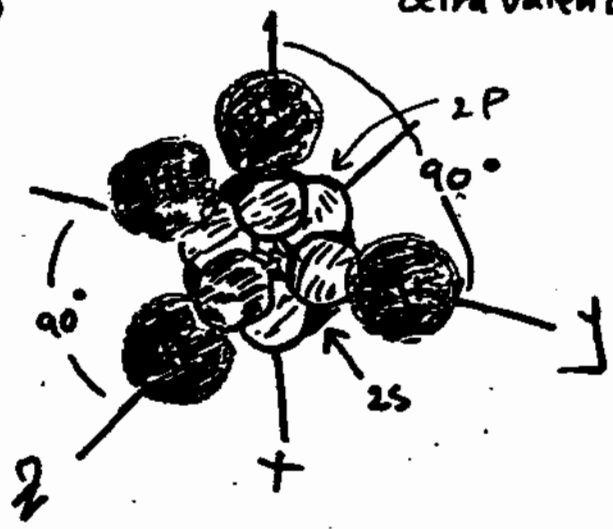
- Excited state (الطاقة المثارة)



- CH<sub>4</sub> (الميثان)

- metan from this excited state

- 3 angles = 90°

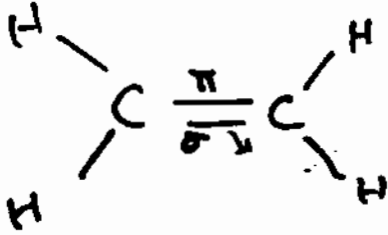


Bond axis. محاور التمازج

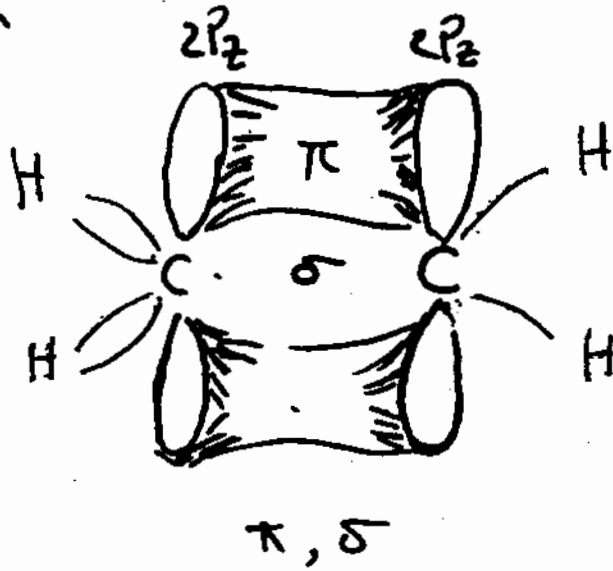
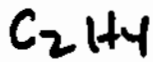
s, p or s, s  
s, sp<sup>3</sup> or sp<sup>3</sup>, sp<sup>3</sup>

SP<sup>2</sup> hybridization

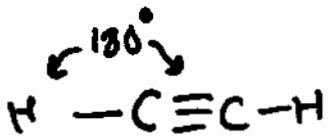
(6)



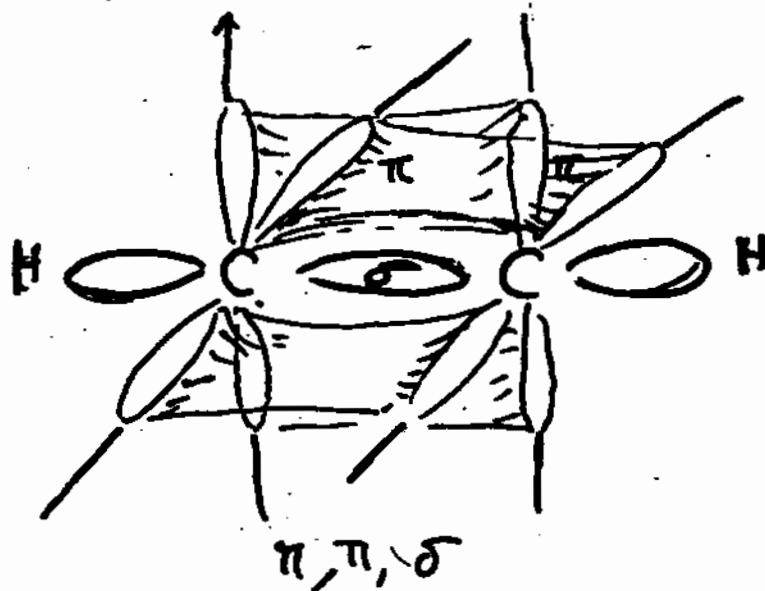
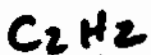
ethylene



SP hybridization



acetylene



	SP <sup>3</sup>	SP <sup>2</sup>	SP	σ	π
الطول A°	1,54	1,34	1,21	—	—
kg/mol طاقة	348	607	833	341	264
زاوية	109,5	≈ 120	180	—	—

(7)

# Hydro Carbons

