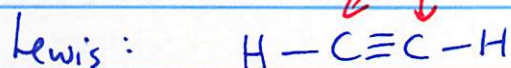


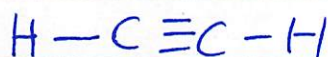
FINAL : WED, Dec 12 @ Noon
in MAS 020

Acetylene, C_2H_2

#rep = 2 \rightarrow linear, 180°

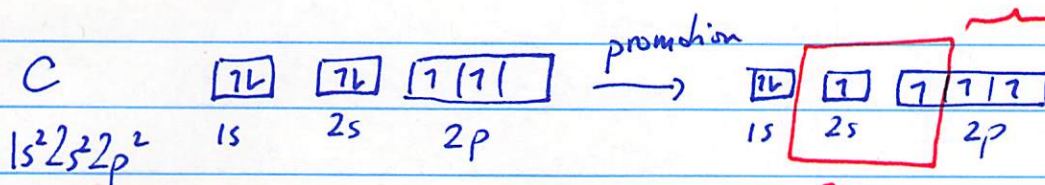
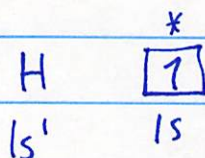


VSEPR:



cheat
sheet

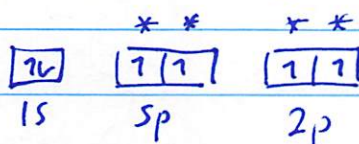
#rep	geometry	hybridization
2	linear (180°)	sp
3	trig. planar (120°)	sp^2
4	tet. (109.5°)	sp^3
5	trigonal bipy.	sp^3d
6	octa.	sp^3d^2

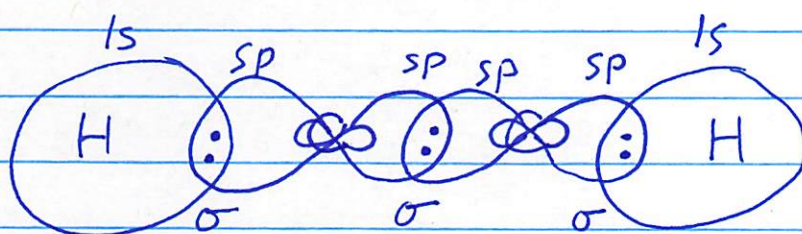
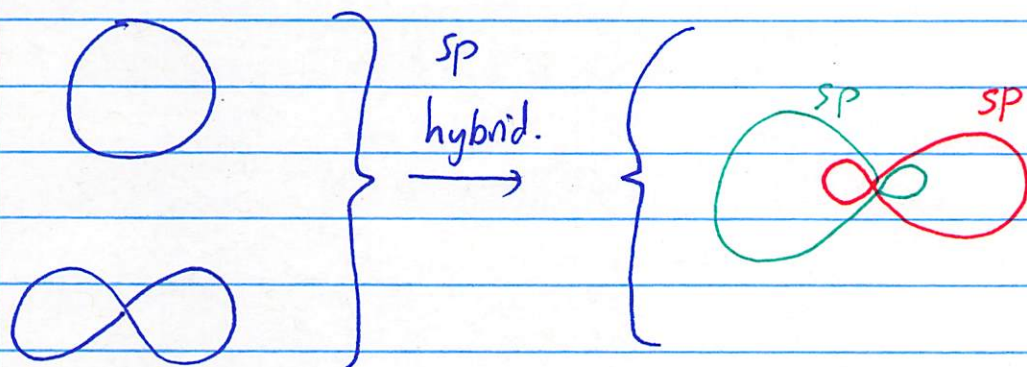


unhybridized

\perp to hybrids

SP



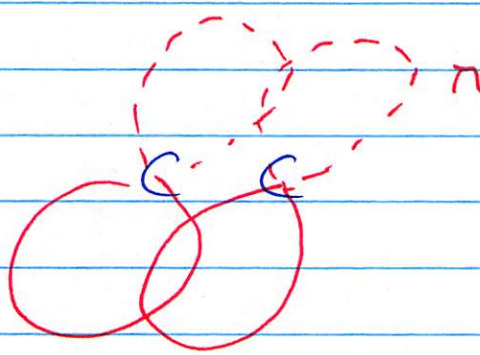
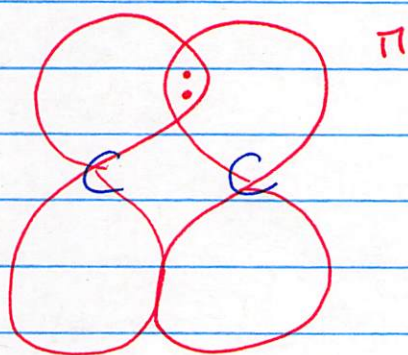
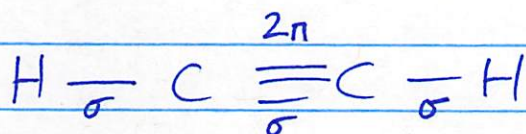


✓
σ bonds π bonds.

	*	*	*	*
<div style="border: 1px solid black; padding: 2px;">1</div>	<div style="border: 1px solid black; padding: 2px;">1</div>	<div style="border: 1px solid black; padding: 2px;">1</div>	<div style="border: 1px solid black; padding: 2px;">1</div>	

C 1s sp 2p

⊥ to sp



—