



Example	Atoms + lone pairs*	# of hybrid orbitals	Unhybridized p-orbitals	hybrid	-bonds	
H ₃ C-CH ₃	4	4	4	sp ³	0	0
H ₂ C=CH ₂	3	3	3	sp ²	1	1
H-C C-H	2	2	2	sp	2	2
	bonds + lone pairs*					

*** Exception: lone pairs on atoms adjacent to other atoms with p-orbitals will also be in p-orbitals for resonance**