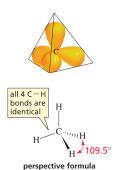
The Carbon in Methane is sp^3





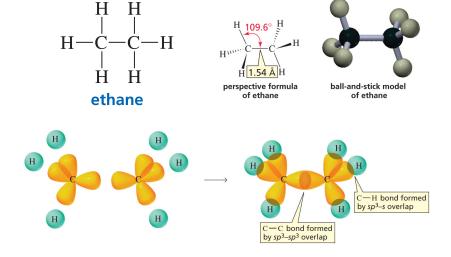
Carbon is tetrahedral.

The tetrahedral bond angle is 109.5°.

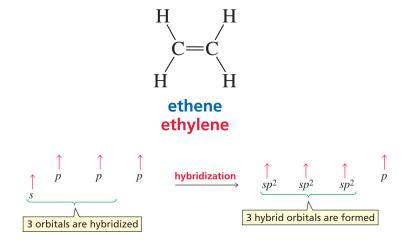


of methane

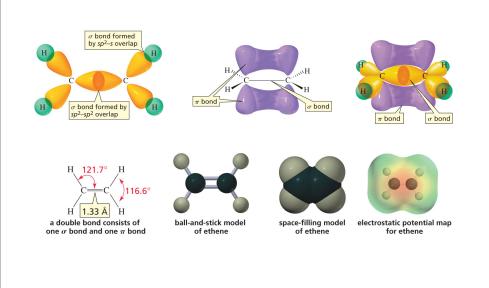
The Bonding in Ethane



Bonding in Ethene



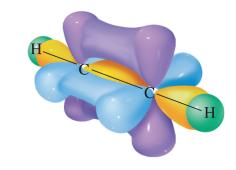
The Carbons in Ethene are sp^2

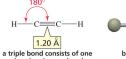


Bonding in Ethyne



The Carbons in Ethyne are sp







ball-and-stick model of ethyne of ethyne



electrostatic potential map for ethyne