

Figure 1.8

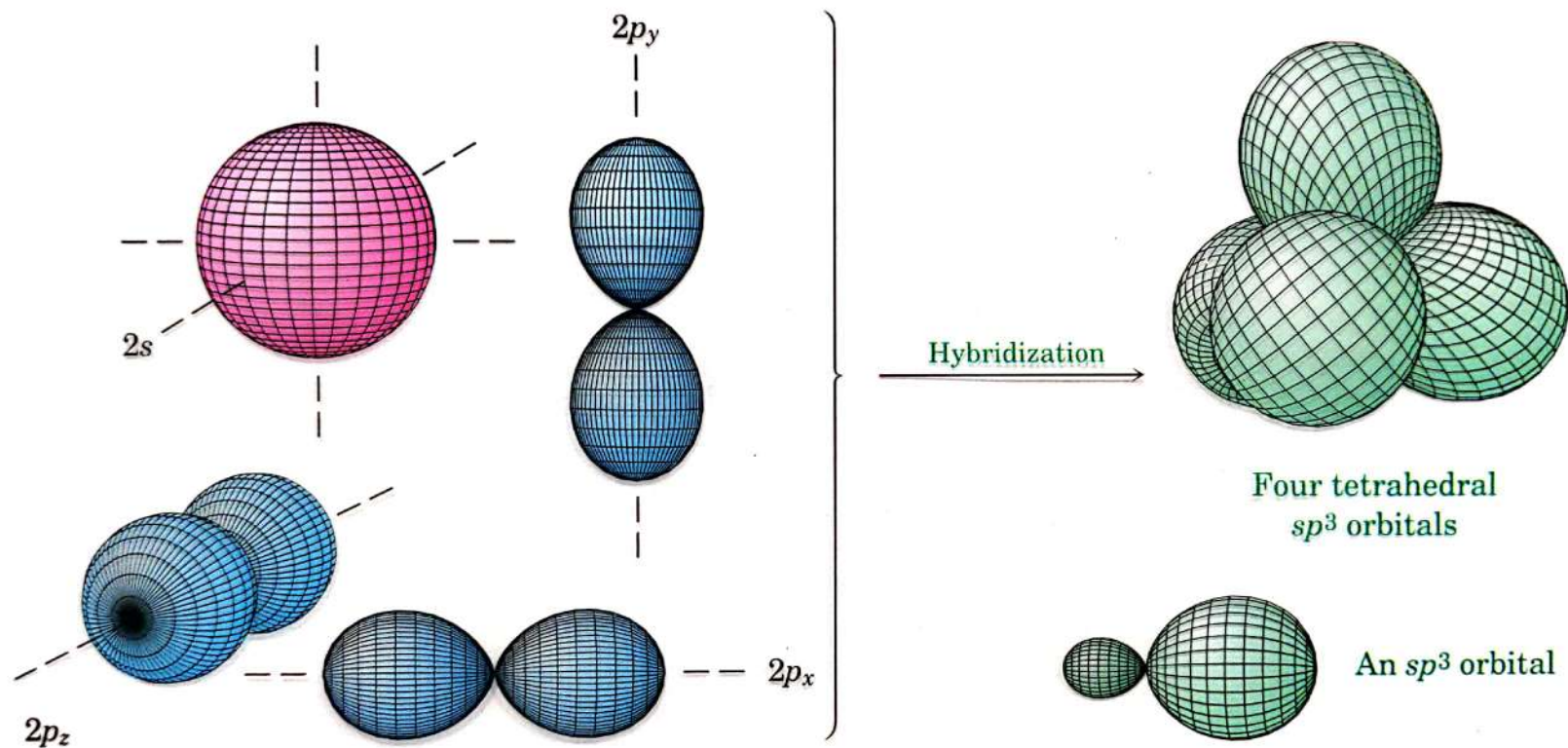
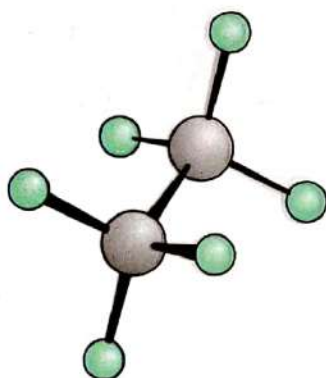
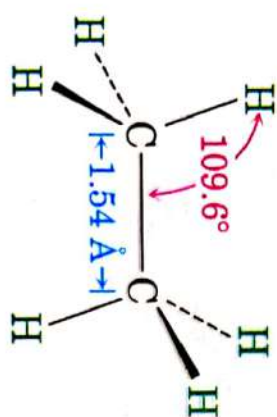
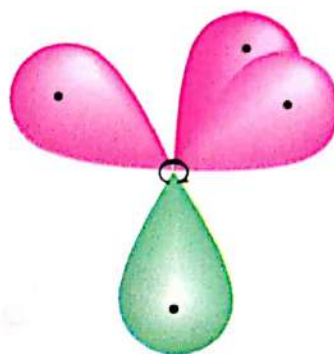
Four sp^3 hybrid orbitals

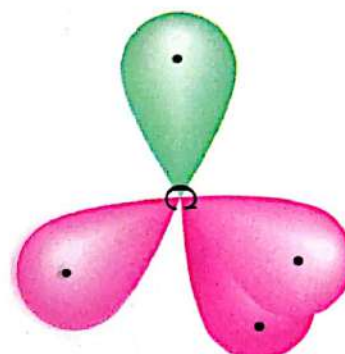
Figure 1.10
Structure of ethane



sp^3 carbon



sp^3 carbon



sp^3-sp^3 sigma bond

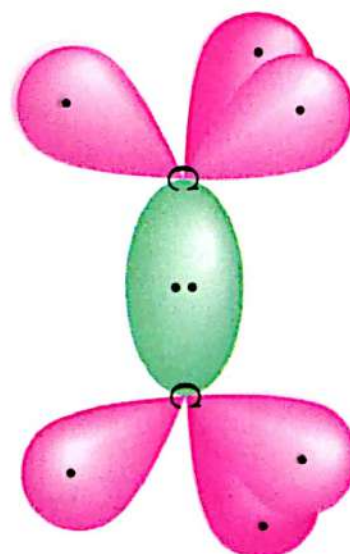


Figure 1.9
Structure of methane

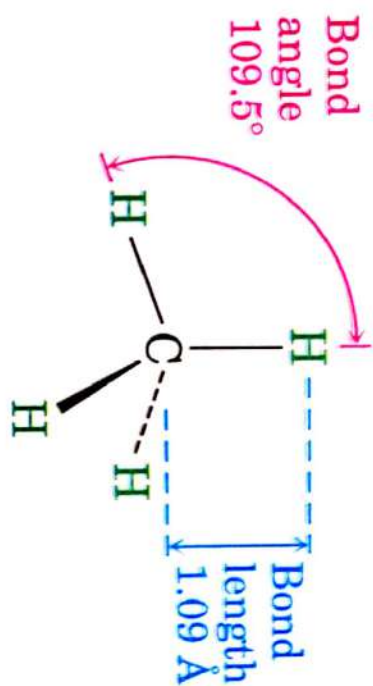
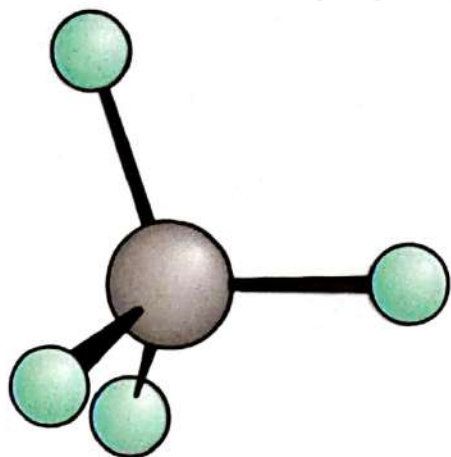
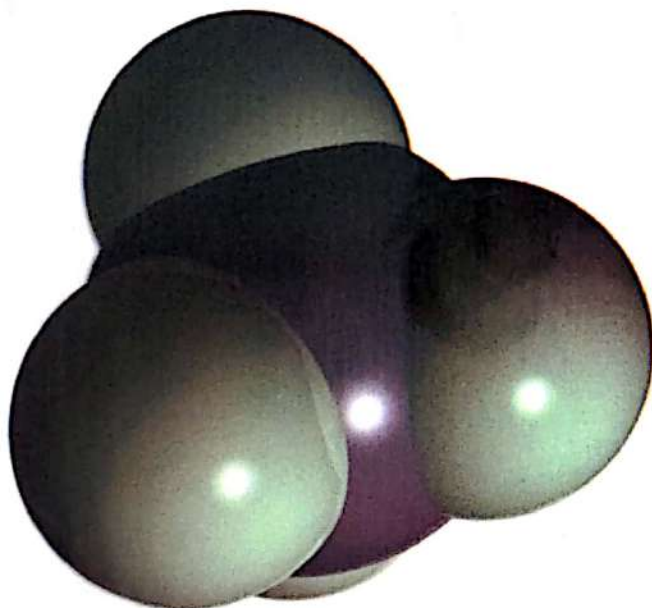


Figure 1.11
An sp^2 -hybridized carbon atom

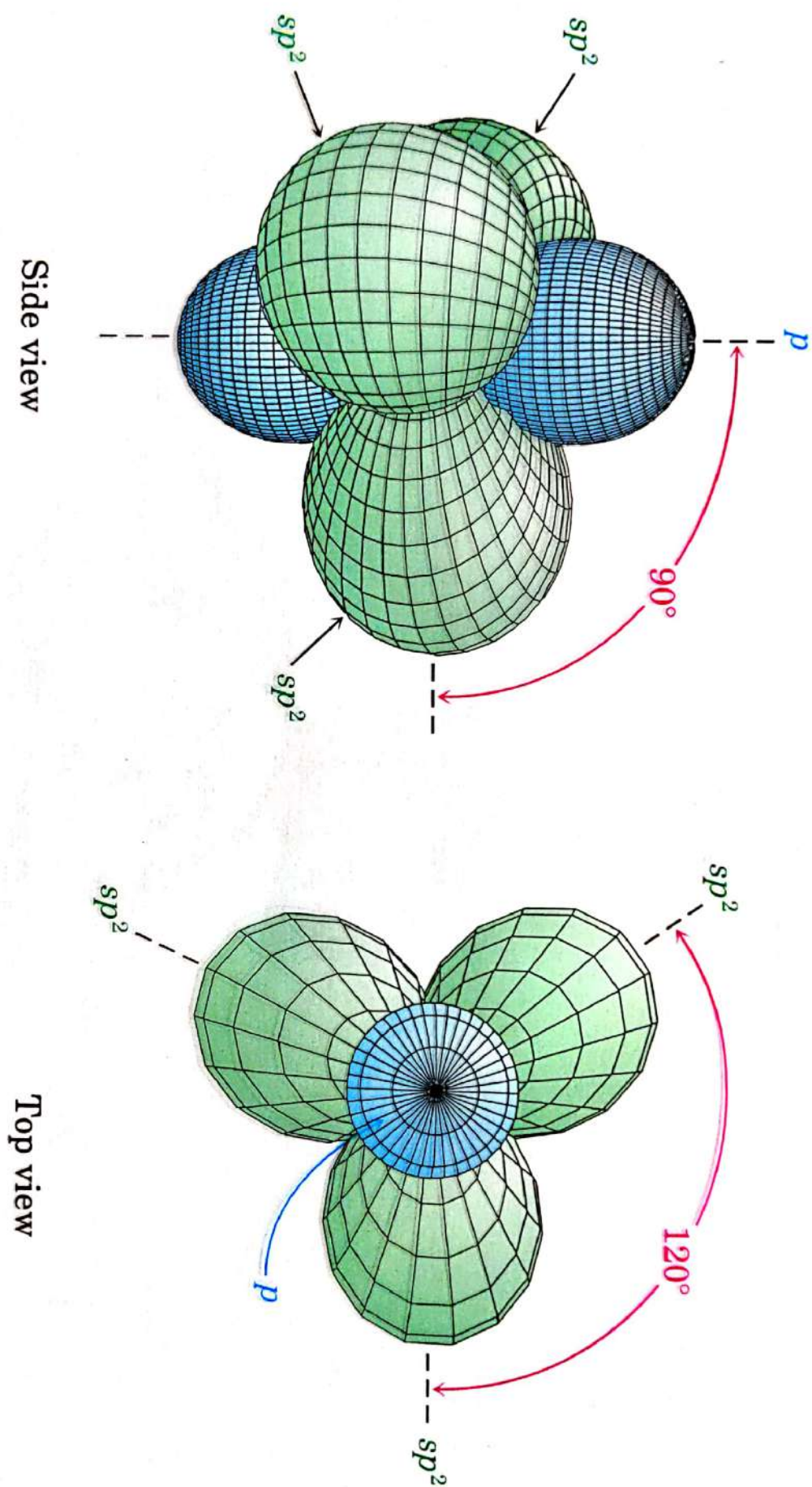


Figure 1.12
A carbon-carbon double bond

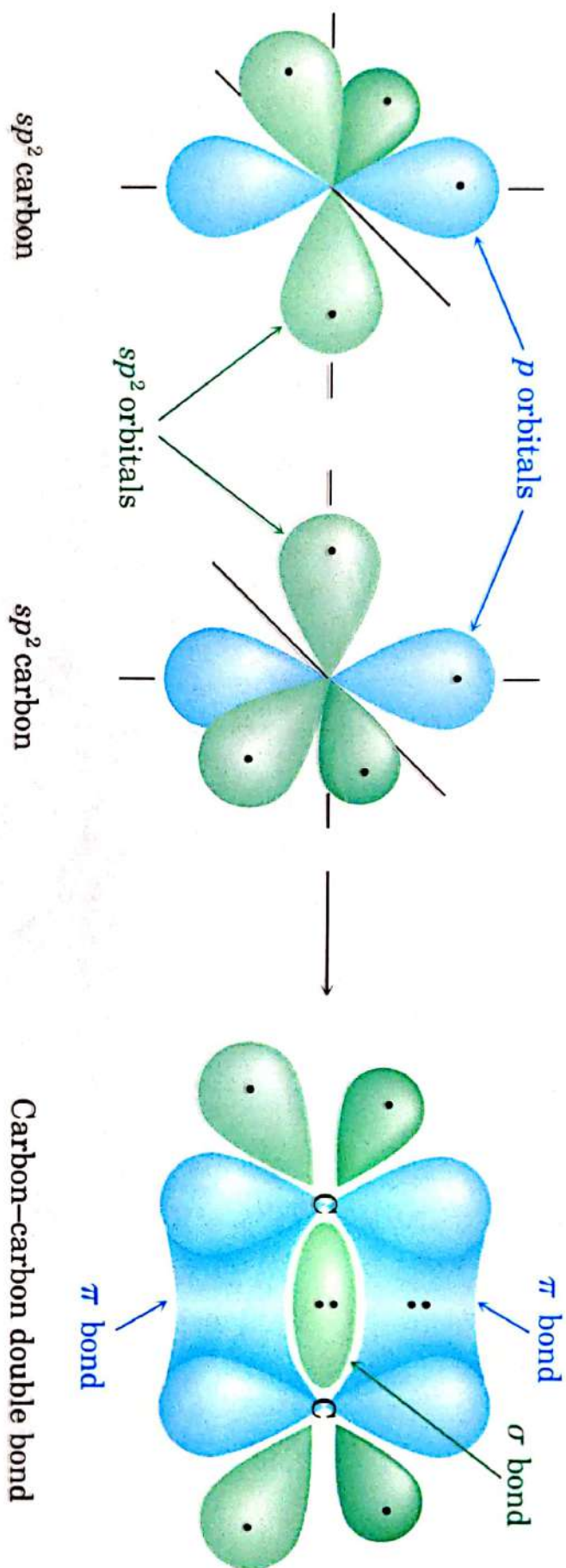


Figure 1.14
An *sp*-hybridized carbon atom

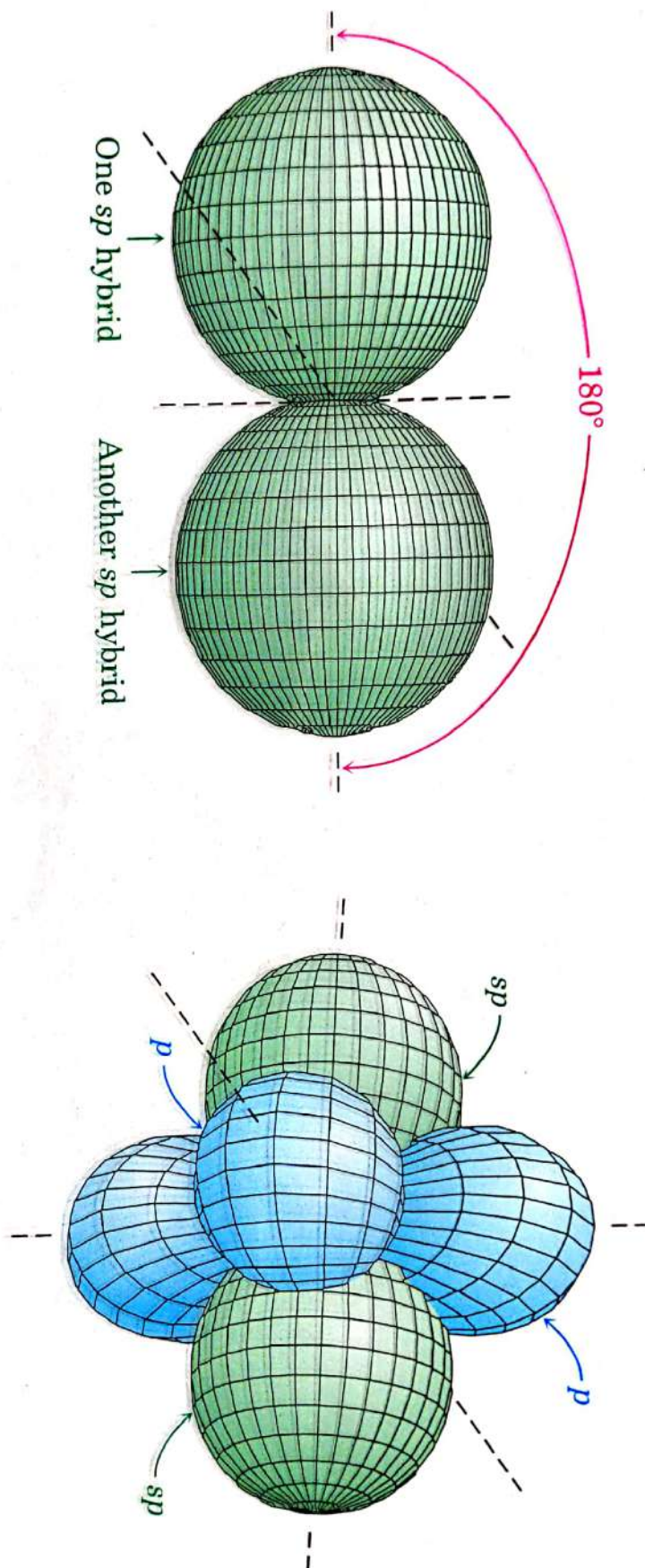
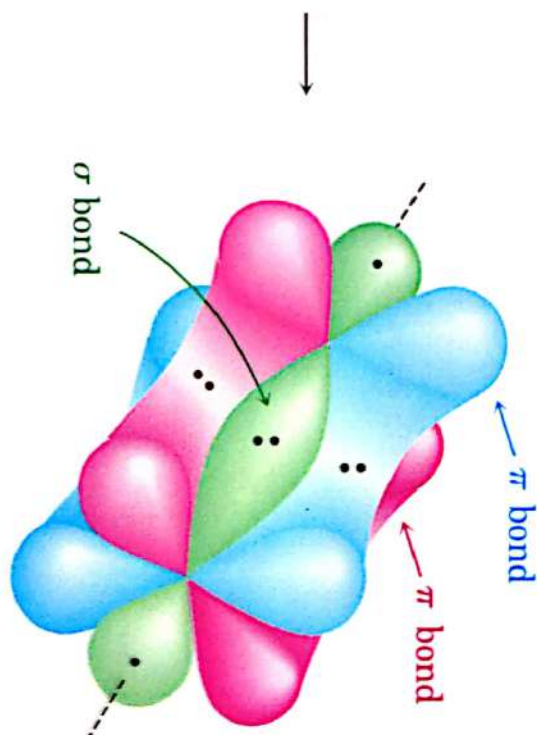
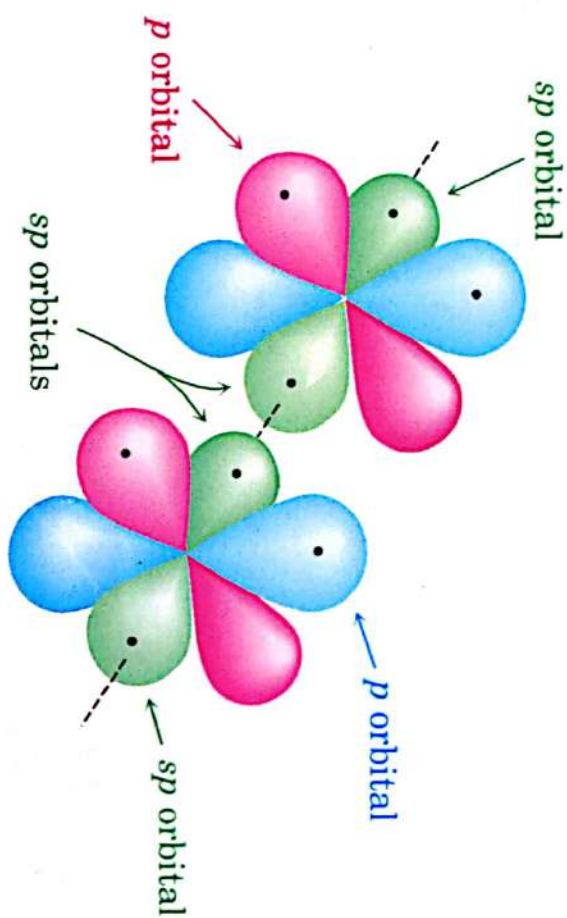


Figure 1.15
Structure of acetylene



Carbon-carbon triple bond

