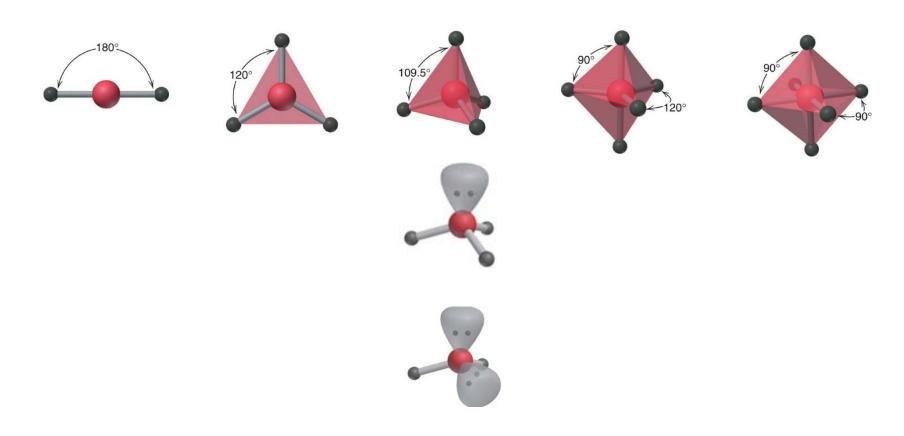
Draw VSEPR structures for molecules and polyatomic ions and name each electron-group and molecular geometry.

The model Fig 9.2 and modified Fig 9.5



Draw VSEPR structures for molecules and polyatomic ions and name each electron-group and molecular geometry.

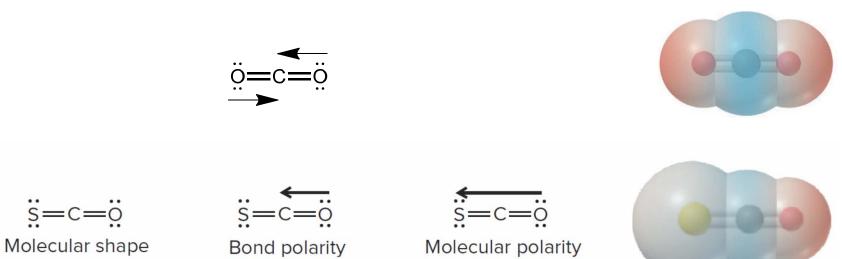
e.g. H_2O , NH_3 and CH_4

Draw VSEPR structures for molecules and polyatomic ions and name each electron-group and molecular geometry.

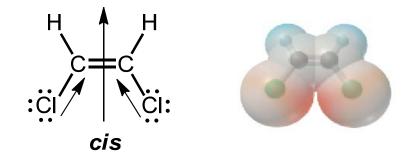
e.g. CH₃CH₂OH, CH₃CHO and HCCH

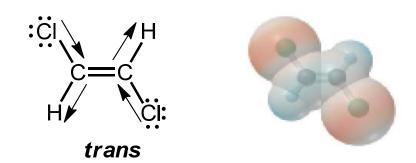
Assign bond polarity and overall molecular polarity.

pp. 365 and 367

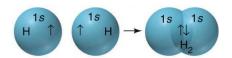


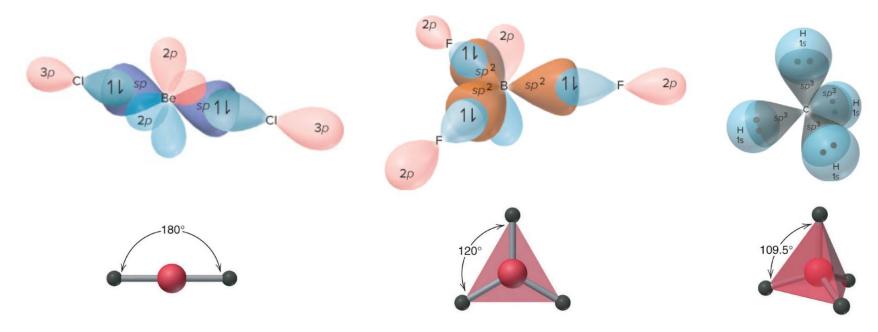
Assign bond polarity and overall molecular polarity.





Explain how overlapping atomic orbitals result in covalent bond formation, using valence bond theory.





Modifications of Fig 9.2, 10.1 and 10.3 to 10.5

Identify the hybridization of atoms in molecules and polyatomic ions. (s, sp, sp², sp³ only)

