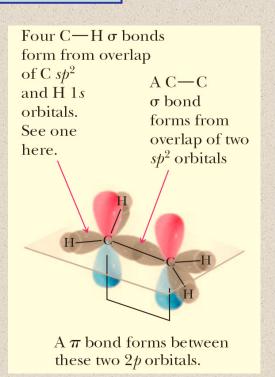


Structure of Alkenes

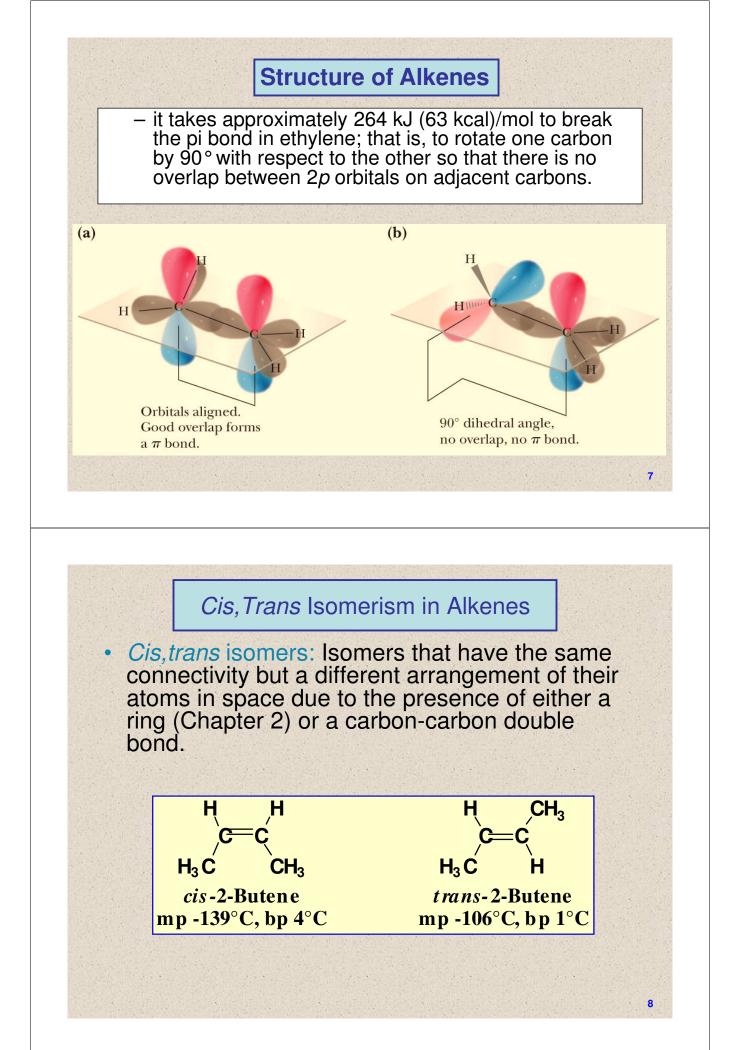
 A double bond consists of

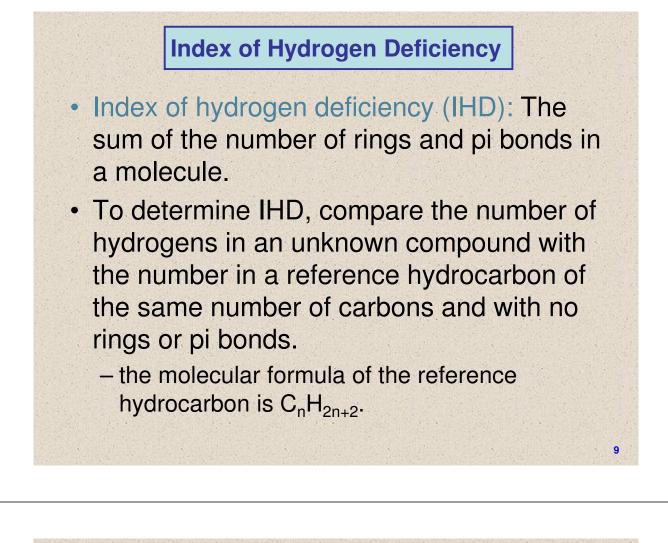
Benzene

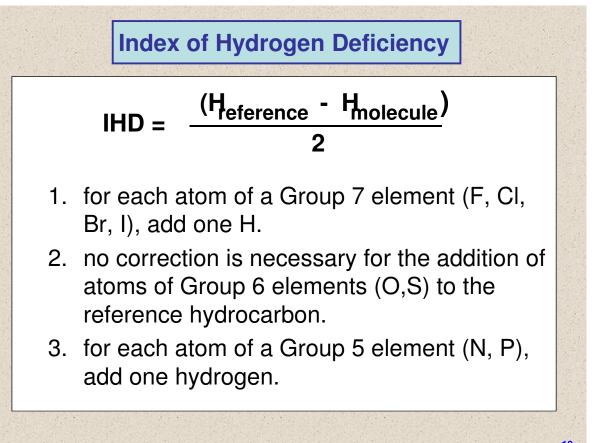
- one sigma bond formed by the overlap of *sp*² hybrid orbitals and one pi bond formed by the overlap of parallel 2*p* orbitals.
- the two carbon atoms of a double bond and the four atoms bonded to them lie in a plane, with bond angles of approximately 120°.

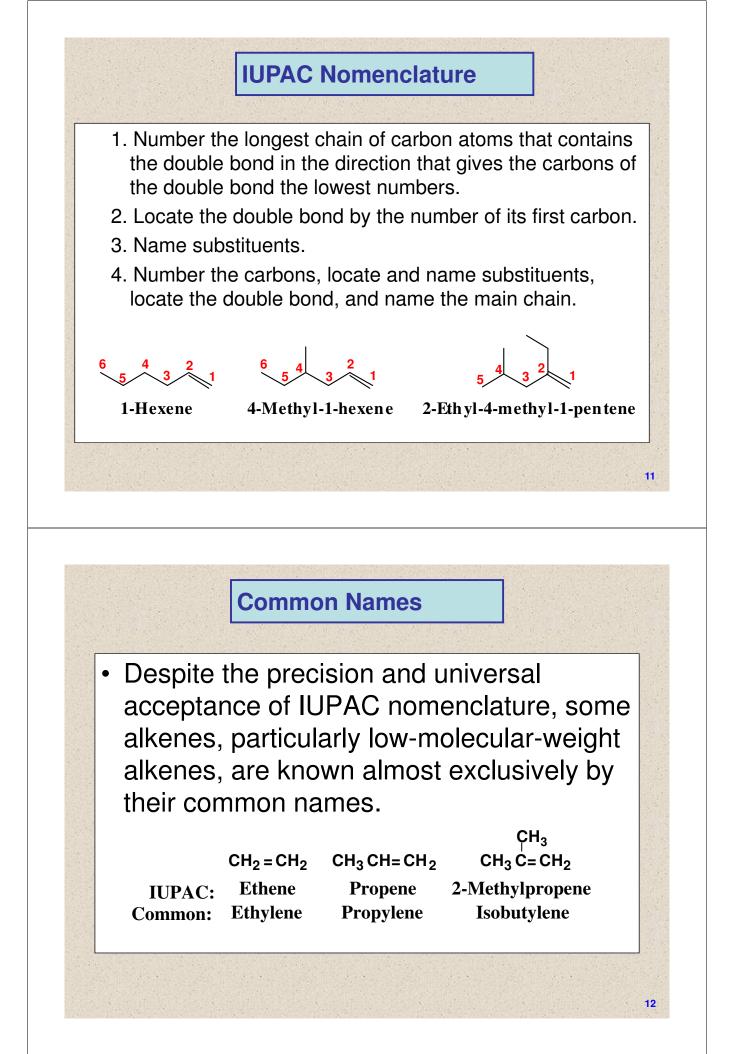


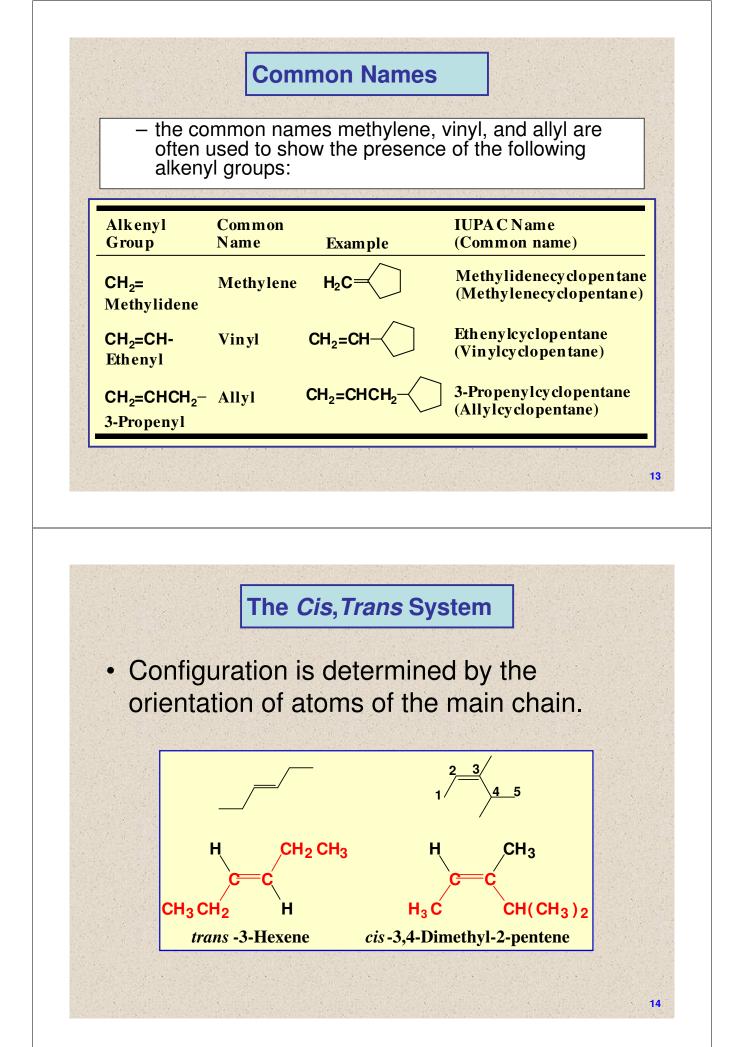
5

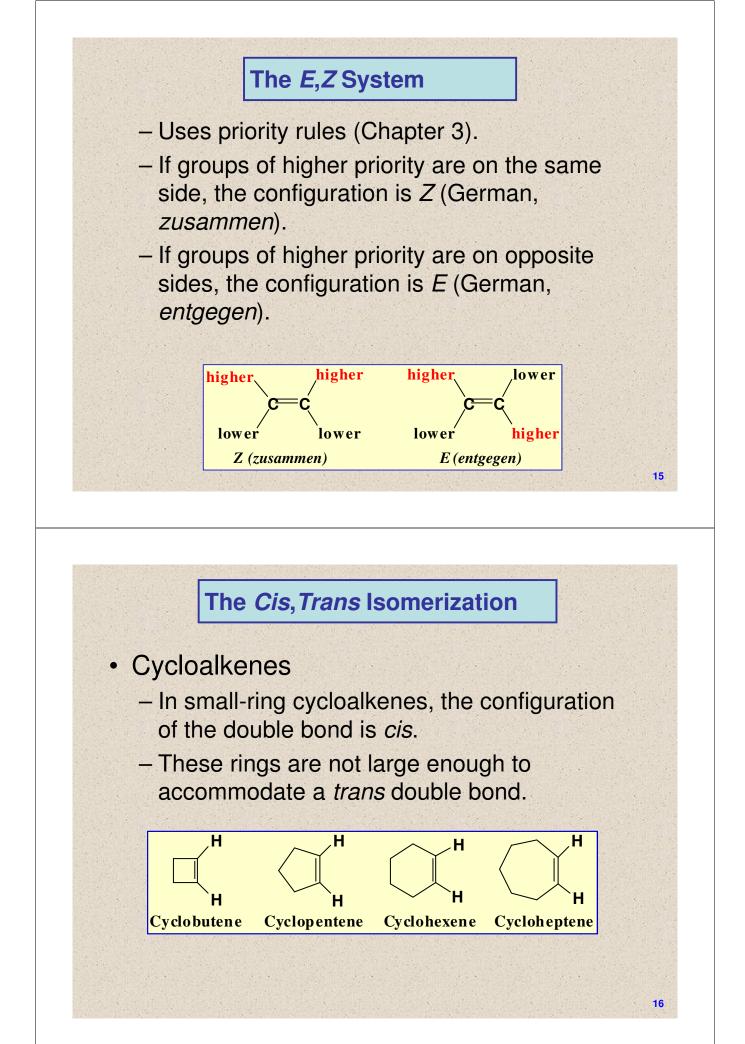


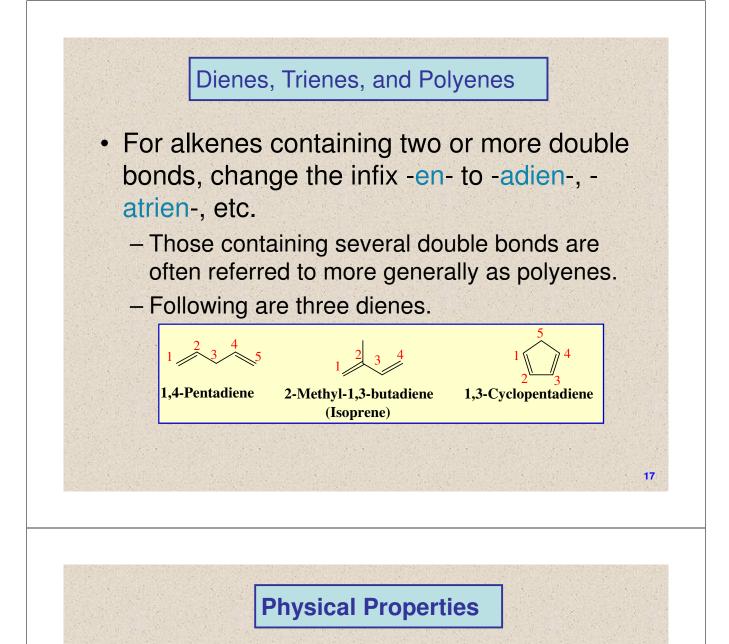




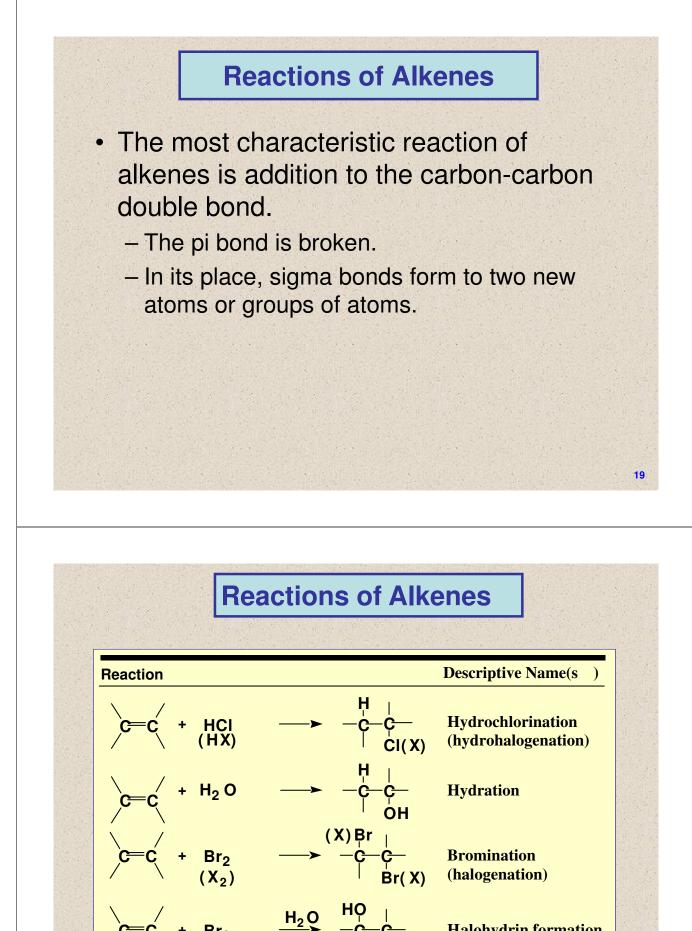


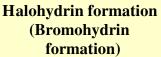






- Alkenes are nonpolar compounds.
- The only attractive forces between their molecules are dispersion forces.
- The physical properties of alkenes are similar to those of alkanes.





Br(X)

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