11.8 Aromatic Compounds

In 1825, Michael Faraday isolated a hydrocarbon called benzene, which consists of a six-carbon ring with alternating double bonds and has the molecular formula C_6H_6 .



Learning Goal Describe the bonding in benzene; name aromatic compounds, and draw their skeletal formulas.

Aromatic Compounds

- Benzene is

 an aromatic compound
- a ring of six C atoms, each bonded to one H atom
- a flat ring structure drawn with three alternating double bonds
 represented by two structures because the electrons are shared
- equally among all the C atoms • represented by a skeletal formula using a circle in the center



























