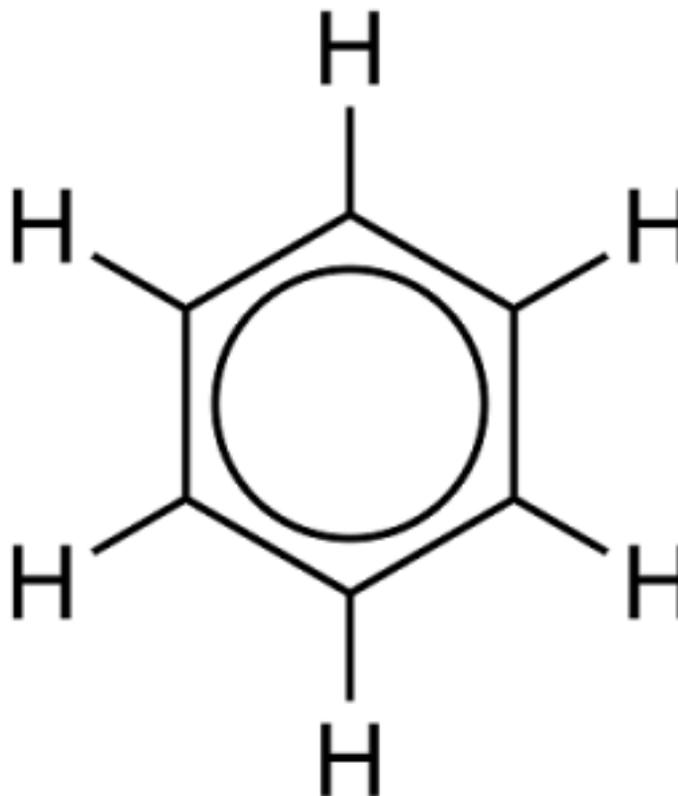


HW 17, chemistry 2



Benzene, molecular formula  $C_6H_6$ , the molecule has hexagon ring. The structure

is interesting. Each carbon has three bonds, two C-C and one C-H. The remaining electrons from each carbon (total number 6) are delocalized. Compounds that contain a benzene ring perform characteristic chemical reactions (the functional group here is the ring), they are called aromatic compounds.

**Question.**

Cyclohexane and benzene each have six carbon atoms. Draw the structural formulas, explain how they are different.