**Figures**



Fig. 1.1 Equilateral triangle structure of cyclic ozone (O3)



(S8) (P4)

Fig. 1.2 Zigzag structure of S8 and Tetrahedron structure of P4

H-C≡C-H

spsp

Fig. 1.3 Linear structure of Ethyne (C2H2)

1 2 3 4 5

CH2 = CH – CH2 – C ≡ CH

Fig. 1.4 Structure of pent-1-ene-4-yne



Fig. 1.5 Structure of Cyclopropene, Cyclopropenyl cation, and Cyclopropenyl

anion



Fig. 1.6 Structure of Cyclopentadienyl anion, Cyclopentadienyl cation,
and Cyclopentadiene



Fig. 1.7 Structure of Cycloheptatrienyl anion, Cycloheptatrienyl cation,
and Cycloheptatriene



Fig. 1.8 Structure of Benzene and Toluene



Pyrrole Pyridine Quinoline

Fig. 1.9 Structure of pyrrole, pyridine, and Quinoline



Fig. 1.10 Structure of aziridine and oxetan