

## Cycloalkene.

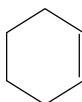
Carbocyclic compounds with double bonds in the ring are called cycloalkenes. Some of the common cycloalkenes are



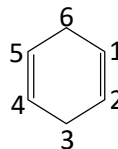
Cyclobutene



Cyclopentene



Cyclohexene



1, 4-Cyclohexadiene

Cycloalkenes can be easily obtained by Diels-Alder reaction. These compounds undergo the electrophilic addition reactions which are characteristic of alkenes, while the ring remains intact. Cycloalkenes decolorize the purple color of dilute cold  $KMnO_4$  or red color of bromine in carbon tetrachloride.

