

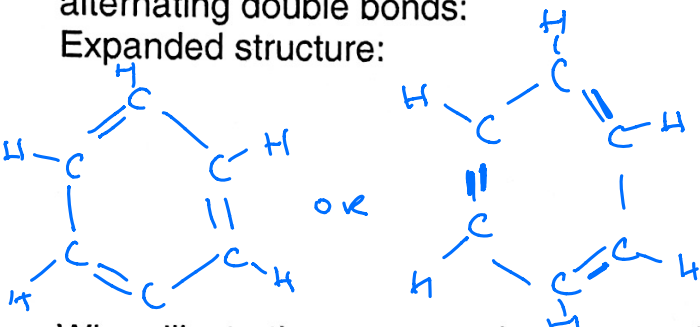
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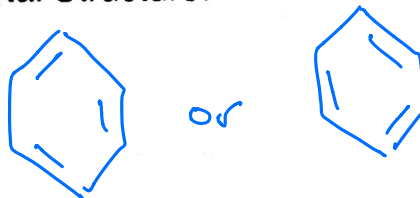
Chemistry 11
Organic Chemistry
Lesson #3 NAMING AROMATIC COMPOUNDS

A BENZENE RING is a ^{C₆H₆} **six carbon** cyclical hydrocarbon that contains three alternating double bonds:

Expanded structure:



Skeletal Structure:

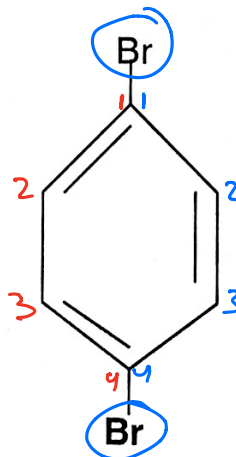
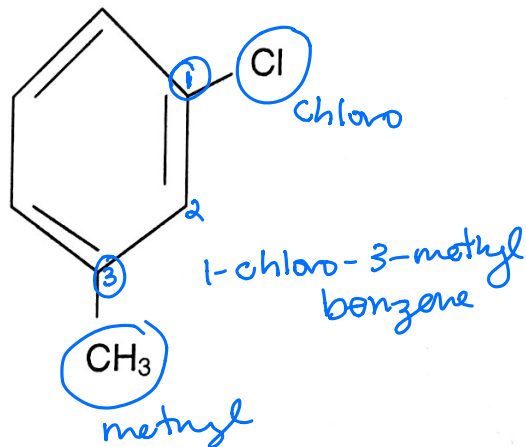


When illustrating an aromatic compound the convention is to use the skeletal structure (though either is okay)

RULES for naming Aromatic compounds:

1. There is no need to indicate the position of a SINGLE ATTACHMENT
2. If more than one attachment is present position #1 goes to alphabetical dominant group
3. Count clockwise or counter clockwise to give the next attached group the LOWEST POSSIBLE ADDRESS
4. The parent name is BENZENE !

Example 3: Name the following



1,4-dibromo benzene
↑
(error in video)