

MCAT Chemistry – Medical College Admission Test Preparation

→ AROMATIC COMPOUNDS

CHAPTER # 24

AdamjeeCoaching-Blogspot.com

1. Benzene is soluble in

(a) alcohol	(b) petrol
(c) ether	(d) <input checked="" type="checkbox"/> all of these

2. Benzene is insoluble in

(a) <input checked="" type="checkbox"/> water	(b) alcohol
(c) petrol	(d) ether

3. Chlorination of benzene is:

(a) <input checked="" type="checkbox"/> An electrophilic substitution reaction	(b) A nucleophilic substitution reaction
(c) A free-radical reaction	(d) An elimination reaction

4. The total number of sigma bonds in benzene are:

(a) 6	(b) <input checked="" type="checkbox"/> 12
(c) 18	(d) 3

5. The Pi (π) molecular orbital in benzene contains:

(a) 2 electrons	(b) 4 electrons
(c) <input checked="" type="checkbox"/> 6 electrons	(d) 3 electrons

6. The C – C – C bond angles in benzene are:

(a) <input checked="" type="checkbox"/> 120°	(b) 90°
(c) 109.28°	(d) 180°

7. The carbon–carbon bond length in benzene is:

(a) longer than a C – C single bond	(b) <input checked="" type="checkbox"/> longer than a C = C double bond
(c) Shorter than a C = C double bond	(d) Shorter than a C O \equiv C triple bond

8. Two adjacent substituents on benzene ring is said to be:

(a) <input checked="" type="checkbox"/> Ortho to one another	(b) Meta to one another
(c) Para to one another	(d) None of the above

Mcqs In Aromatic Compounds

**John D. Hepworth,David R.
Waring,Michael J. Waring**

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A

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these are all sold as one entity This book provides an up to date and comprehensive account of aromatic chemistry A series of chapters describes the synthesis and reactions of the major functional derivatives of benzene and the more common polycyclic systems The concept of aromaticity and the mechanism of aromatic substitution are discussed as is the use of metals in the synthesis of aromatic compounds Throughout emphasis is placed on mechanisms Worked problems and questions are provided to aid understanding In addition to providing material required by an undergraduate studying chemistry Aromatic Chemistry is also ideal for industrial chemists seeking to update their knowledge of this important aspect of chemistry Ideal for the needs of undergraduate chemistry students Tutorial Chemistry Texts is a major new series consisting of short single topic or modular texts concentrating on the fundamental areas of chemistry taught in undergraduate science courses Each book provides a concise account of the basic principles underlying a given subject embodying an independent learning philosophy and including worked examples **International Books in Print ,1986**

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On Some Reactions' Phenomena of Aromatic Compounds Andrew Barr, 1887 College Chemistry

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Exel Withtm Objective Questions In Organic Chemistry S.K. Khanna; N.K. Verma;

B. Kapila, *Level Chemistry MCQs: Multiple Choice Questions and Answers (Quiz & Tests with Answer Keys)* Arshad Iqbal, 2016 **Aromatic Chemistry** Malcolm Sainsbury, 1992-08-27 All the basic principles of this important topic are clearly presented here in an account which takes as examples many compounds of industrial and biological significance Consideration is given to the structure reactions and properties of benzene and classes of aromatic compounds derived from it and topics such as thermodynamic versus kinetic control and pericyclic reactions are introduced The text also covers polycyclic arenes and the small and large ring systems which are embraced by the wider definition of aromaticity

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