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Organic Chemistry

Chapter 11

by

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Activity 11

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Activity 11

QUESTION 1

Homolysis cleavage of covalent bond leads to the formation of _____.

- (a) carbanion
- (b) free radical
- (c) carbonium ion
- (d) none of these

QUESTION 2

Benzene reacts with acyl chloride in the Friedel Craft acylation reaction, what the product formed?

- (a) Acyl ketone
- (b) Acetophenone
- (c) Methyl acetate
- (d) None of all these

Activity 11

QUESTION 3

Hydrogenation of alkynes gives *Cis*-alkenes by treating with _____.

- (a) Na/liq. NH_3
- (b) Lindlar's catalyst
- (c) Adam's catalyst
- (d) $\text{H}_2/\text{Pd-C}$

QUESTION 4

Which of the following is not an electrophile?

- (a) NH_3
- (b) AlCl_3
- (c) Br^+
- (d) NO_2^+

QUESTION 5

For none aromatic compound the criteria is _____.

- (a) planar, cyclic conjugated molecules with $(4n + 2) \pi$ electrons
- (b) non-cyclic, planar, δ -electron conjugated system, obey Huckels' rule $(4n) \pi$
- (c) cyclic, non-planar, δ -electron conjugated system, obey Huckels' rule $(4n+4) \pi$
- (d) cyclic, planar, π -electron conjugated system, obey Huckels' rule, lack of one Property