

Organic Chemistry

01. What is the IUPAC name of $\text{HC} \equiv \text{C} - \text{CH}_2 - \text{CH} = \text{CH}_2$?
A. Pent 1 ene 4 yne
B. Pent 1 yne 4 ene
C. 1 pentyne 4 yne
D. 1 pent 1 yne
02. Which one of the following have chiral carbon?
A. $\text{CH}_3\text{CH}_2\text{COOH}$
B. $\text{CH}_3\text{CH}(\text{NH}_2)\text{COOH}$
C. $\text{CH}_2(\text{NH}_2)\text{COOH}$
D. $\text{C}_2\text{H}_5\text{OH}$
03. Which of the following shows geometric isomerism?
A. $\text{ClCH} = \text{CHCl}$
B. $\text{Cl}_2\text{C} = \text{CH}_2$
C. $\text{CH}_2 = \text{CH}_2$
D. $\text{CH}_2 = \text{CHCl}$
04. Which one is a homologous series?
A. Ethane, methane, propane
B. Ethane, propane, butane
C. 1-hexene, 2-hexene, 3-hexene
D. Ethane, propane, butane
05. Presence of which group shows Bayer's test despite being unsaturated compound?
A. $-\text{CN}$
B. $-\text{SO}_3\text{H}$
C. $-\text{CHO}$
D. $-\text{COOH}$
06. Which one is the main ingredient of Dettol?
A. Chlorobenzene
B. Chloroxylenol
C. Benzenehexachloride
D. Chloral
07. What does ethyl iodide produce reacting with KOH (alcoholic solution)?
A. Ethyne
B. Ethene
C. Ethanol
D. Ethane
08. Which one reacts immediately with Lucas' reagent?
A. Butan 1 ol
B. 2 methylpropan 2 ol
C. 2 methylpropan 1 ol
D. Butan 2 ol
09. How many sigma and pi bond are there in Propyne?
A. 6 sigma, 2 pi
B. 3 sigma, 2 pi
C. 2 sigma, 2 pi
D. 2 sigma, 4 pi
10. Which group is meta indicator in aromatic replacement reaction?
A. $-\text{NO}_2$
B. $-\text{OH}$
C. $-\text{Cl}$
D. $-\text{CH}_3$
11. In which one Clemenssen reduction didn't occur?
A. Ethane from ethanal
B. Propane from propanone
C. Toluene from benzaldehyde
D. Ethanol from ethanoic acid

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Ian Pickup



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web aug 8 2022 a spectator ion is an ion that does not take part in the chemical reaction and is found in solution both before and after the reaction the net ionic equation is the chemical equation that shows only those elements compounds and ions that are directly involved in the chemical reaction

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web jul 26 2017 answer the spectator ions are explanation in the net ionic equations we are not include the spectator ions in the equations spectator ions the ions present on reactant and product side 16 used to grind chemicals to powder tmraor nda stlepe star 4 4 5 heart 181 verified verified answer food

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web the new format requires students to write balanced chemical equations showing only the reacting substances excluding spectator ions for three different sets of reactants and to answer a short question requiring no calculator about each reaction the questions are intended to test the students understanding of the meaning of the reactions

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web jun 2 2023 the spectator ions are cut out from a reaction hence the net ionic equation for the above reaction would be $2\text{Cl}^-\text{aq} + \text{Cu}^{2+}\text{aq} \rightarrow \text{CuCl}_2\text{s}$ $2\text{Cl}^-\text{aq} + \text{Cu}^{2+}\text{aq} \rightarrow \text{CuCl}_2\text{s}$ these spectator ions are not actively involved in the reaction the existence of spectator ions affects the debye length