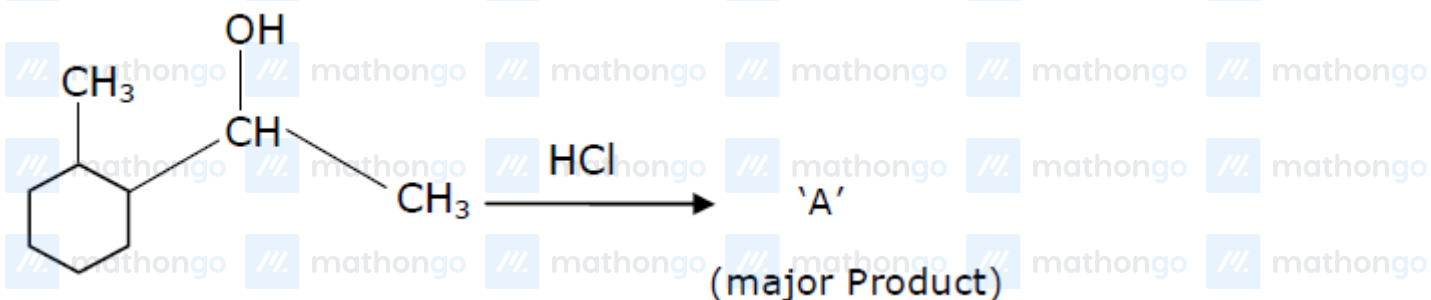


Q1: 24 Feb (Shift 1) - Single Correct

Which is the final product (major) 'A' in the given reaction?

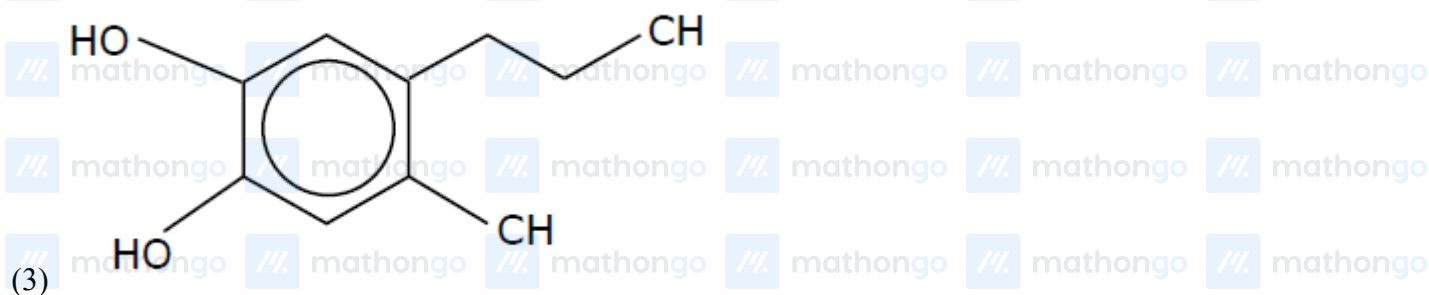
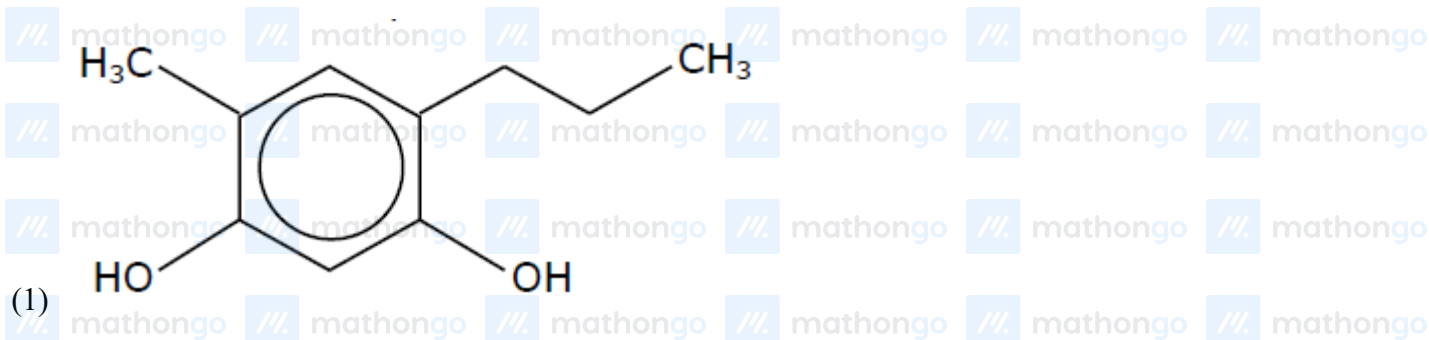


Q2: 24 Feb (Shift 1) - Single Correct

Which of the following compound gives pink colour on reaction with phthalic anhydride in conc. H₂SO₄ followed by treatment with NaOH ?

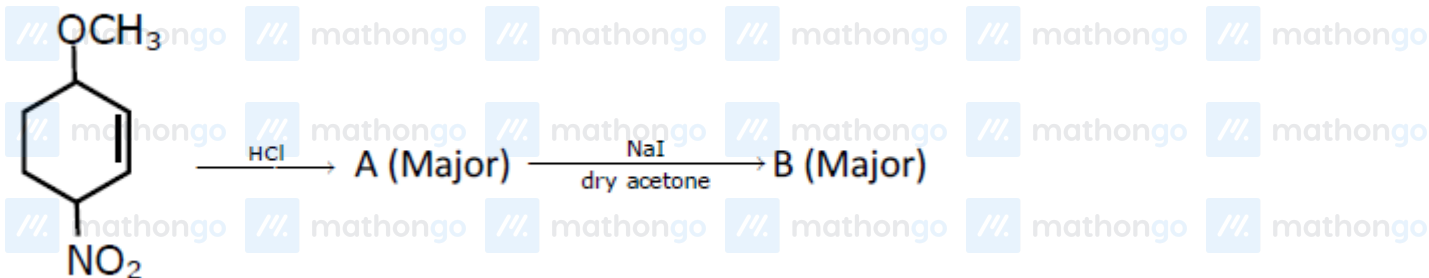
Questions with Answer Keys

MathonGo



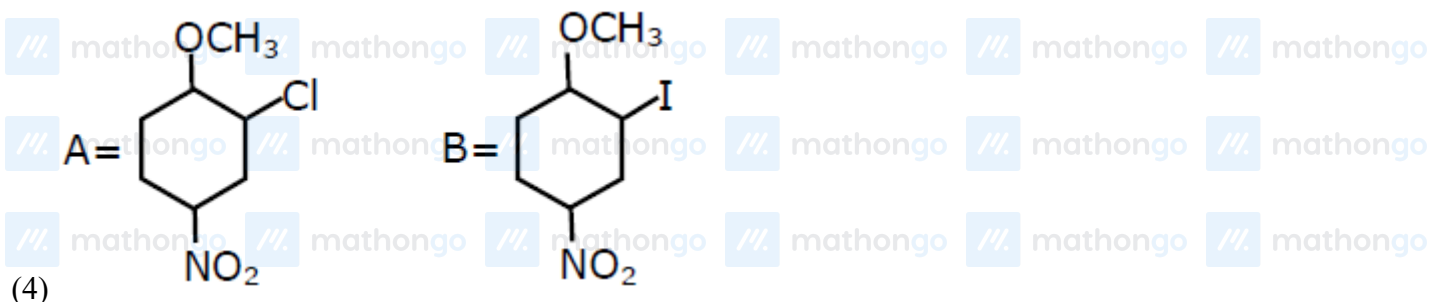
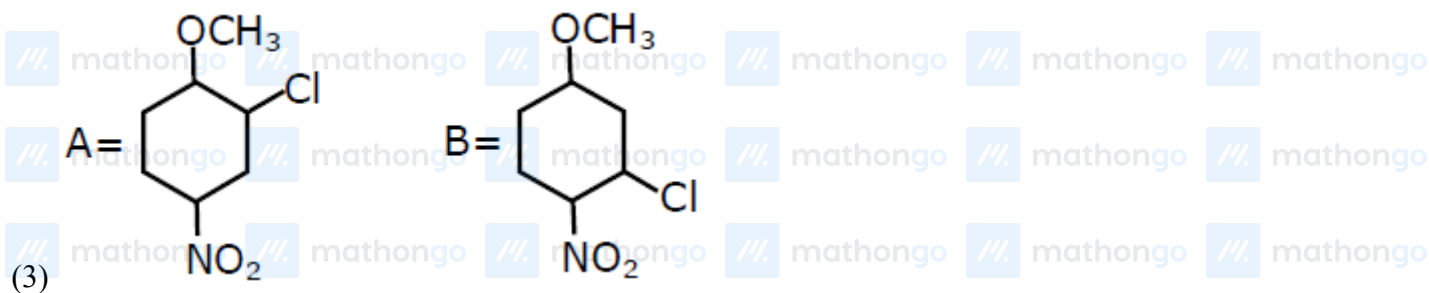
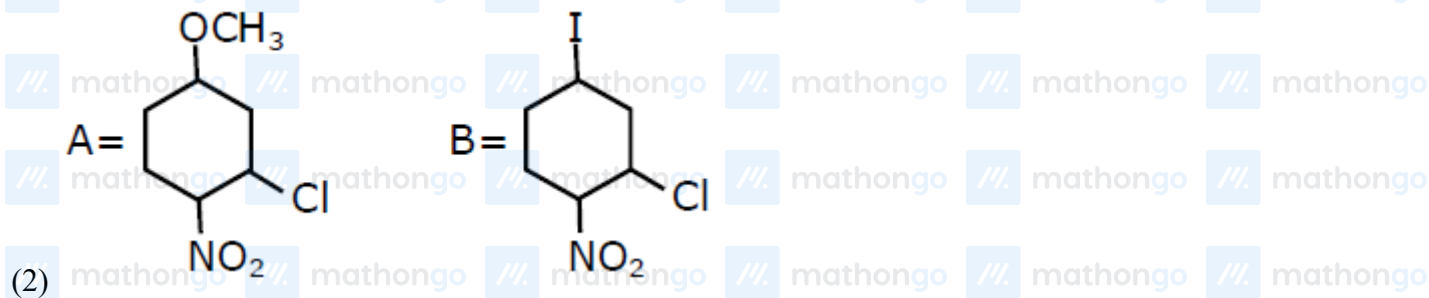
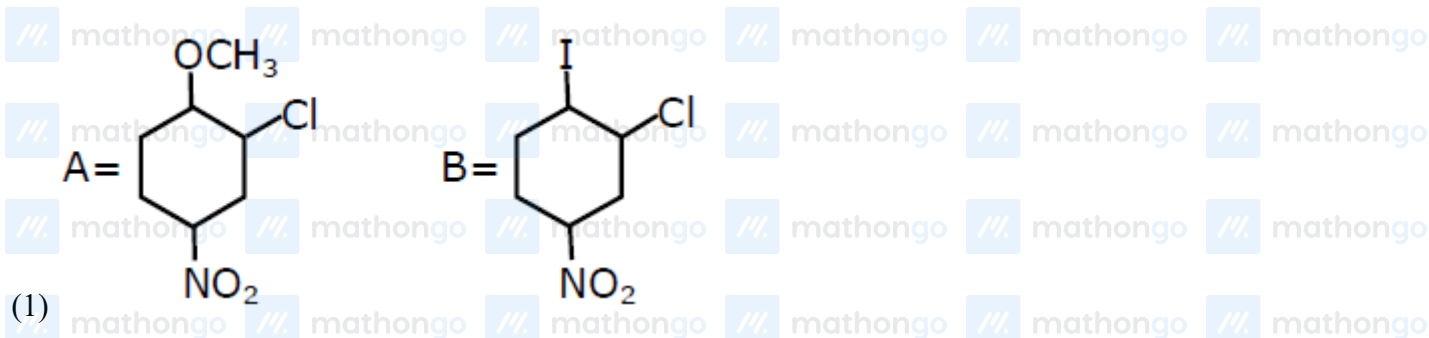
Q3: 25 Feb (Shift 1) - Single Correct

Identify A and B in the chemical reaction.



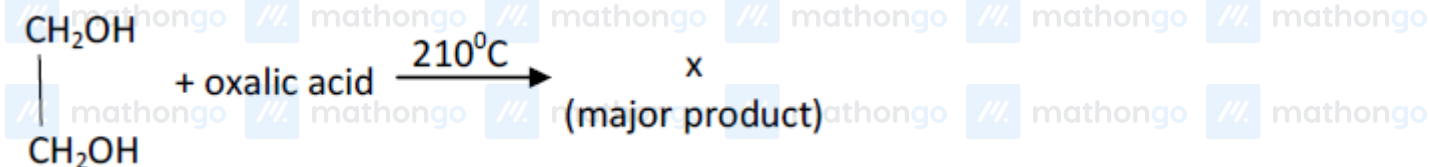
Questions with Answer Keys

MathonGo



Q4: 25 Feb (Shift 2) - Single Correct

What is 'X' in the given reaction ?

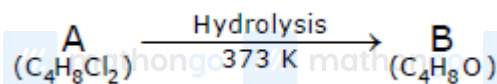


Questions with Answer Keys

MathonGo

- (1) $\begin{array}{c} \text{CH}_2 \\ || \\ \text{CH}_2 \\ | \\ \text{CH}-\text{OH} \end{array}$
- (2) $\begin{array}{c} || \\ \text{CH}_2 \\ | \\ \text{CH}_2\text{OH} \end{array}$
- (3) $\begin{array}{c} | \\ \text{CHO} \\ | \\ \text{CHO} \end{array}$
- (4) $\begin{array}{c} | \\ \text{CHO} \end{array}$

Q5: 26 Feb (Shift 1) - Single Correct

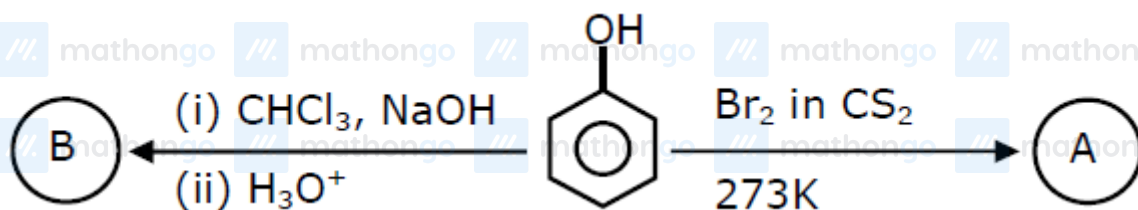


B reacts with Hydroxyl amine but does not give Tollen's test. Identify A and B.

- (1) 1, 1-Dichlorobutane and 2-Butanone
- (2) 2, 2- Dichlorobutane and Butan-2-one
- (3) 2,2 - Dichlorobutane and Butanal
- (4) 1,1 - Dichlorobutane and Butanal

Q6: 26 Feb (Shift 1) - Single Correct

Identify the major products *A* and *B* respectively in the following reaction of phenol :



Q7: 26 Feb (Shift 2) - Single Correct

Ceric ammonium nitrate and CHCl_3 /alc. KOH are used for the identification of functional groups present in _____ and _____ respectively.

Questions with Answer Keys

MathonGo

(1) alcohol, amine

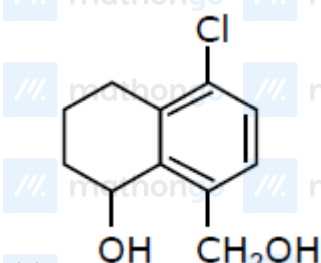
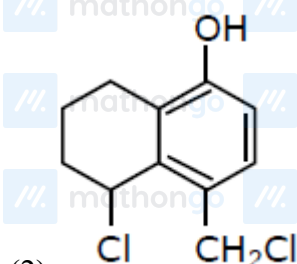
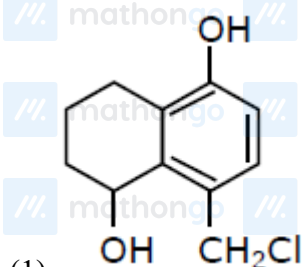
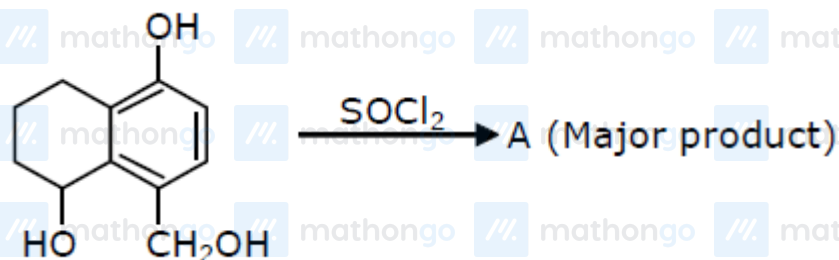
(2) amine, alcohol

(3) alcohol, phenol

(4) amine, phenol

Q8: 26 Feb (Shift 2) - Single Correct

Identify A in the given reaction



Questions with Answer Keys

MathonGo

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Answer Key

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Q1 (3)

Q2 (2)

Q3 (4)

Q4 (1)

// mathongo // mathongo // mathongo // mathongo // mathongo // mathongo

Q5 (2)

Q6 (1)

Q7 (1)

Q8 (2)

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