



CHEMISTRY ONLINE
— **TUITION** —

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CHEMISTRY

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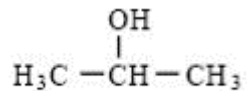
Level & Board	AQA (A-LEVEL)
TOPIC:	ALKANES
PAPER TYPE:	SOLUTION - 4
TOTAL QUESTIONS	10
TOTAL MARKS	29

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Alkenes - 4

1.

(a)



Structure:

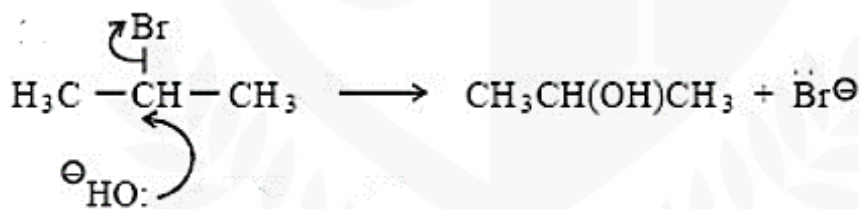
Name: propan-2-ol

(1)

(b)

Name of mechanism: nucleophilic substitution

Mechanism:



(5)

2. c

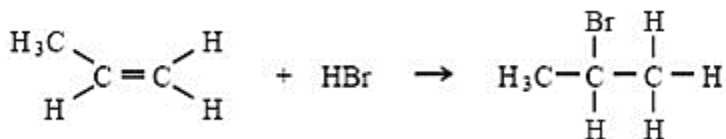
(1)

I am Sorry !!!!!

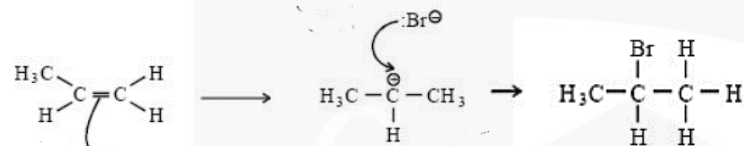
3.

(a)

Reaction:

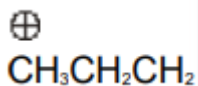


Mechanism:



(3)

(b)



Is alternative carbocation which could be formed in the reaction between propene and hydrogen bromide.

(2)

4. C

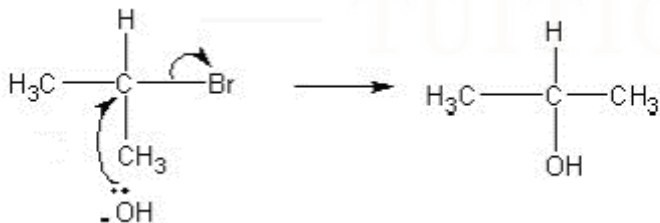
(1)

5.

Name of the reaction:

Nucleophilic substitution (S_N1)

Mechanism:



6. B

(1)

7.

(a)

Type of reaction:

Hydration/(electrophilic) addition

Equation:



Catalyst :

conc. H_2SO_4 OR conc. H_3PO_4

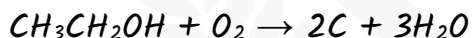
(3)

(b)

The solid pollutant:

Carbon

Equation:



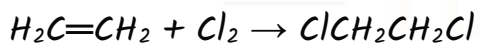
(2)

8. C

(1)

9.

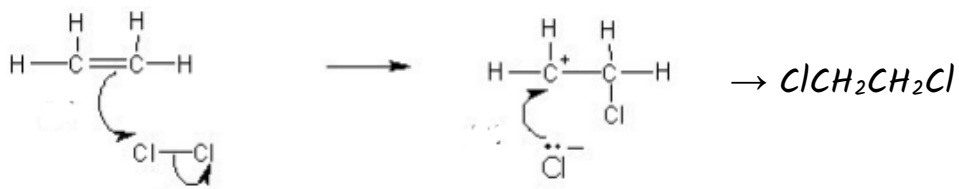
Reaction:



Name of the mechanism:

Electrophilic addition

Mechanism:



10. C

(5)

(1)



I am Sorry !!!!!



DR. ASHAR RANA
M.B.B.S / MS. CHEMISTRY



- Founder & CEO of Chemistry Online Tuition Ltd.
- Completed Medicine (M.B.B.S) in 2007
- Tutoring students in UK and worldwide since 2008
- CIE & EDEXCEL Examiner since 2015
- Chemistry, Physics, Math's and Biology Tutor

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