

1. Nov/2022/Paper_11/No.26

Which pair of alcohols are isomers of each other?

- A butan-1-ol and 2,2-dimethylpropan-1-ol
- B butan-2-ol and 2-methylpropan-2-ol
- C pentan-1-ol and 2-methylpropan-2-ol
- D propan-2-ol and 2-methylpropan-2-ol

2. Nov/2022/Paper_11/No.27

How many chiral carbon atoms are there in one molecule of 2,2,4,5-tetramethylhexan-3-ol?

- A 1
- B 2
- C 3
- D 4

3. Nov/2022/Paper_11/No.37

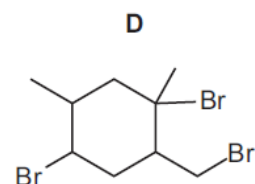
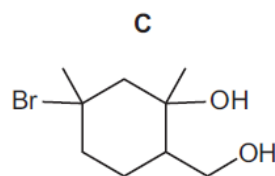
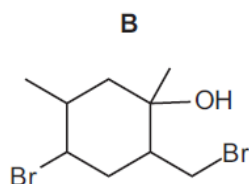
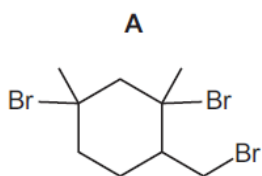
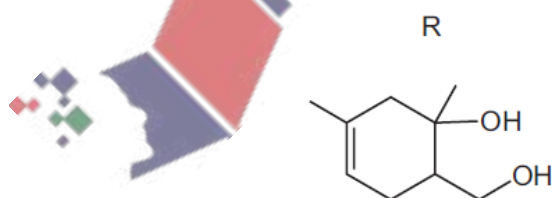
2-bromopropane reacts with hot ethanolic sodium hydroxide.

Which substance is the major product of this reaction?

- A propan-1-ol
- B propan-2-ol
- C 2-hydroxypropene
- D propene

4. Nov/2022/Paper_12/No.29

What is the major product formed when compound R is warmed with an excess of HBr?

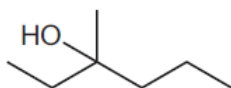


5. Nov/2022/Paper_12/No.34

Structural isomerism and stereoisomerism should be considered when answering this question.

3-methylhexan-3-ol reacts with hot concentrated sulfuric acid to form several isomeric compounds with the molecular formula C_7H_{14} .

3-methylhexan-3-ol



How many isomeric compounds could be formed in this reaction?

A 3

B 4

C 5

D 6

