

Q1.

How many structural isomers with the molecular formula $C_5H_{10}O$ react with Tollens' reagent?

- A 3
- B 4
- C 5
- D 6

(Total 1 mark)

Q2.

Which alcohol could **not** be produced by the reduction of an aldehyde or a ketone?

- A 2,2-dimethylpropan-1-ol
- B 2-methylbutan-2-ol
- C 3-methylbutan-2-ol
- D pentan-3-ol

(Total 1 mark)

Q3.

Which compound forms a racemic mixture when reacted with KCN followed by dilute acid?

- A HCHO
- B CH_3CHO
- C CH_3COCH_3
- D $(CH_3CH_2)_2CO$

(Total 1 mark)

Q4.

Which alcohol could **not** be produced by the reduction of an aldehyde or a ketone?

- A** 2-methylbutan-1-ol
- B** 2-methylbutan-2-ol
- C** 3-methylbutan-1-ol
- D** 3-methylbutan-2-ol

(Total 1 mark)