

Aldehydes Ketones & Carboxylic acids

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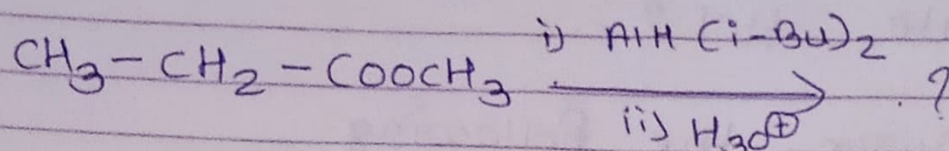
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Assignment No - 4

Q.1] Answer the following in one sentence

1] predict the product of the following reaction.



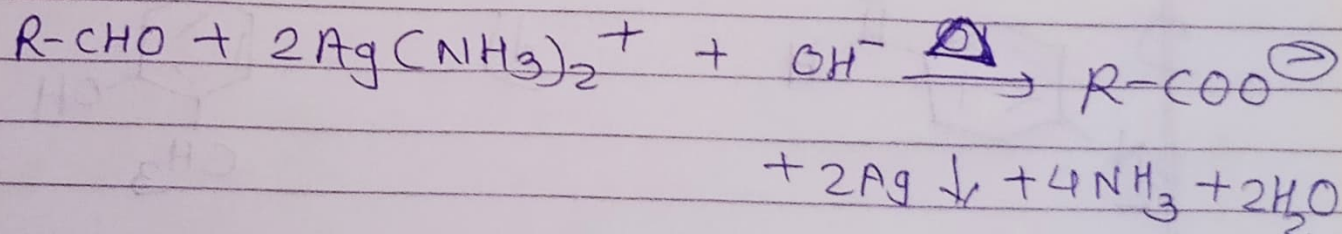
2] what is formalin

3] Arrange the following compounds in the increasing order of their Boiling points.

Formaldehyde, ethane, methyl alcohol

Q.2 Answers in brief.

i] observe the following equation of reaction of Tollens reagent with aldehyde. How do we know that a redox reaction has taken place. Explain



ii] Formic acid is Stronger than acetic acid
Explain

iii] Aldehydes are more reactive towards nucleophilic addition reaction than ketones.
Explain

14) write reaction showing the action of the following reagent on propanenitrile

- a) Dilute NaOH
- b) Dilute HCl?

Q.3 Answer the following

- i) write note on.
- 1) Stephen reaction
- 2) Rosenmund reduction

Q.4) write the IUPAC Name of the following.

