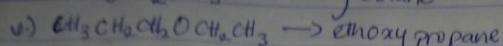
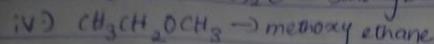
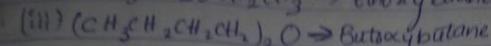
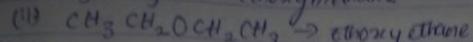
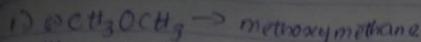


AGBAJOR AGHOGHO

19/MH501/051

MBBS



2) - At room temperature, ethers are colourless, neutral liquids with pleasant odours.

The lower aliphatic ethers are highly flammable gases or volatile liquids.

- Ethers are less soluble in water than are the corresponding alcohols.

Lower molecular weight ethers such as methoxymethane and methoxyethane are

fairly soluble in water since the molecule are able to form hydrogen

bonds with the water molecules but as the hydrogen content of the molecules

increases, there is a rapid decline in solubility. They are miscible with most organic

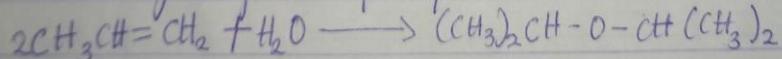
solvents.

- Most of the simple ethers are less dense than water, although the density increases with increasing relative molecular mass and some of the aromatic ethers are instead denser than water.

- Lower molecular mass ethers have a lower boiling point than the corresponding alcohols but those ethers containing alkyl radicals larger than four carbon atoms, the reverse is true.

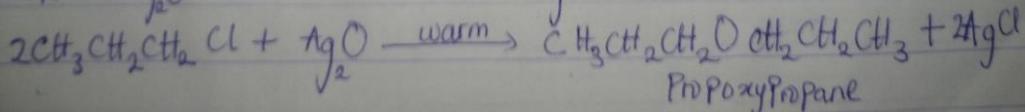
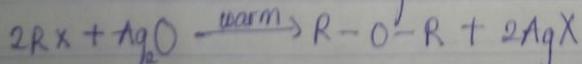
- Ethers are inert at moderate temperature. Their inertness at moderate temperatures leads to their wide use as reaction media.

3) \* Controlled catalytic hydration of olefins



2-Isopropoxypropane

\* From haloalkanes and dry silver (I) oxide



4) - Ethylene Oxide is used as a gaseous sterilizing agent

- It is used as an intermediate in the hydrolytic manufacture of ethylene glycol