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1 This is based on the number of hydrogen atoms attached to the Carbon atom containing the hydroxyl group.

Example,

CH_3OH - Methanol (1°)

$\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$ - Propan-2-ol (3°)

2 This is based on the number of hydroxyl group they possess.

Monohydric Alcohols have one hydroxyl group present in the alcohol structure.

Dihydric alcohol have two hydroxyl group present in their alcohol structure.

Trihydric alcohol have three hydroxyl group present in their alcohol structure.

Polyhydric alcohol have more than three hydroxyl group.

Example,

$\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ - Propanol (Monohydric alcohol)

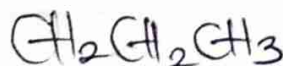
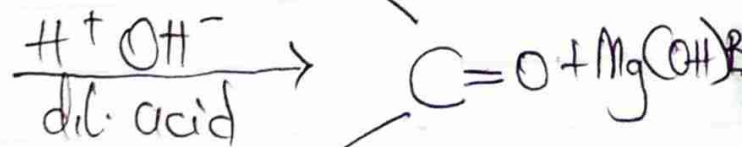
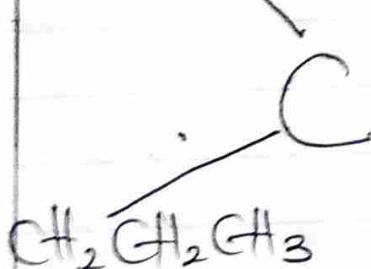
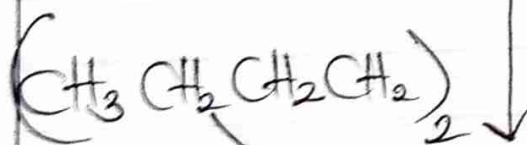
$\text{CH}_3\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}(\text{OH})\text{CH}_3$ - Heptane-

2,3,4,5,6 pentaol (Polyhydric alcohol).

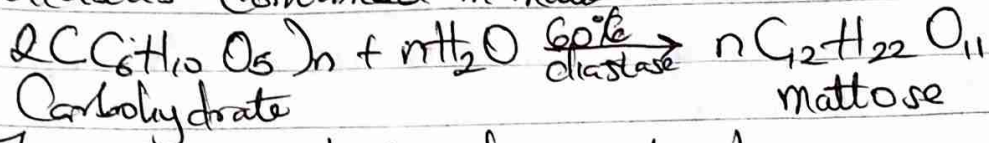
2 Named Grignard Reagent: Butyl Magnesium bromide ($\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{MgBr}$)

$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{MgBr} + \text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{C}=\text{O} \rightarrow$

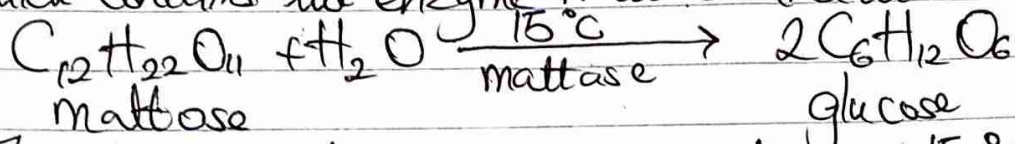
Forms an alkoxide.



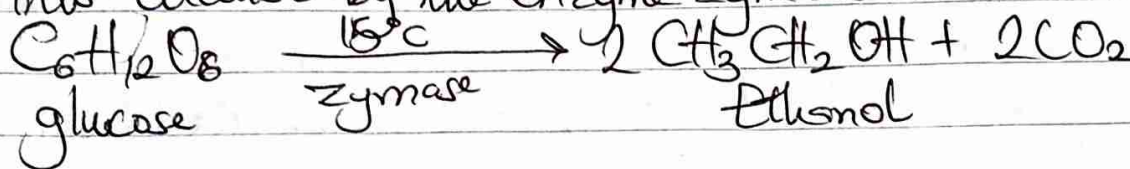
3 Starch containing materials and on warming with malt to 60°C for a specific period of time are converted into maltose by the enzyme diastase contained in malt



The maltose is broken down into glucose on addition of yeast which contains the enzyme maltase and at a temperature of 15°C



The glucose at constant temperature of 15°C is then converted into alcohol by the enzyme zymase contained also in yeast.



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