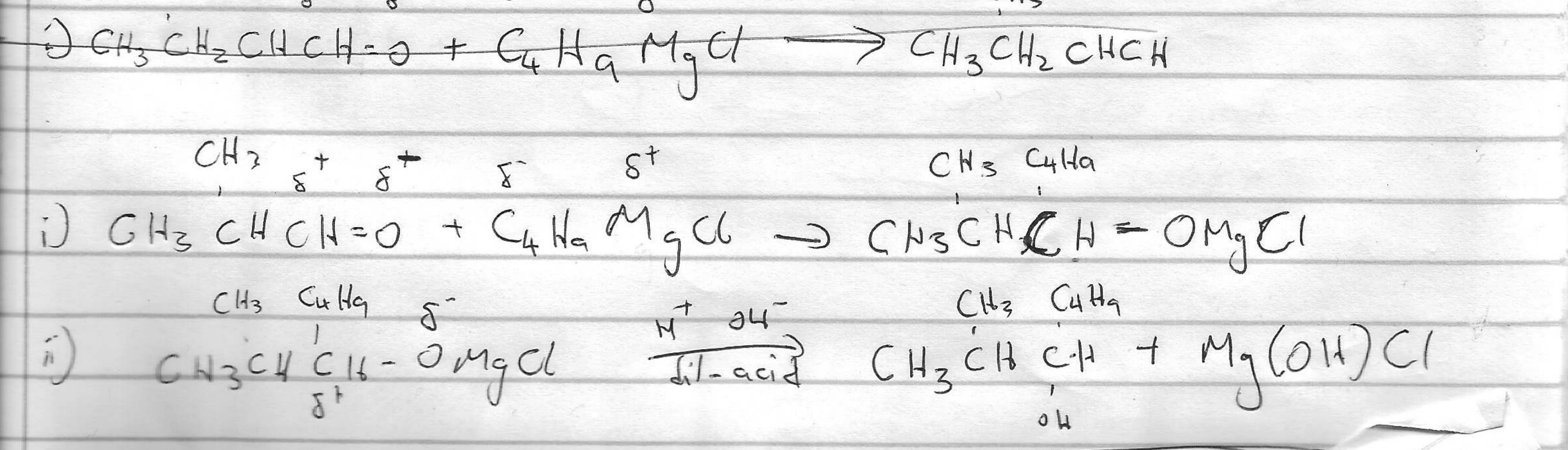
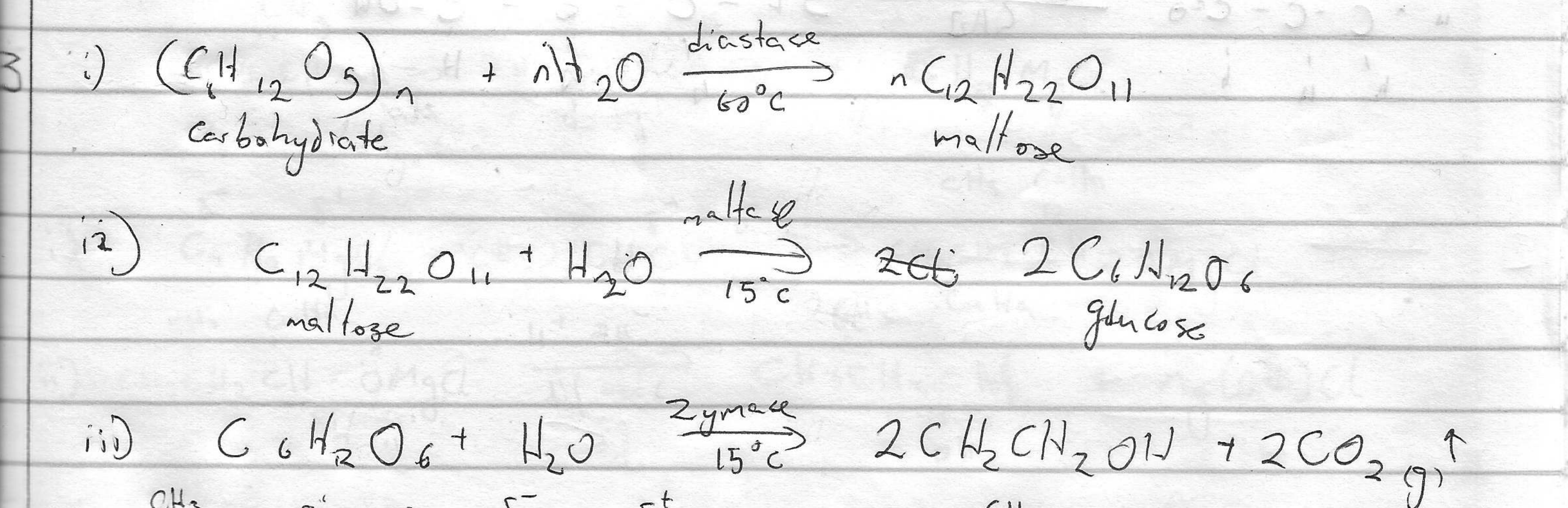


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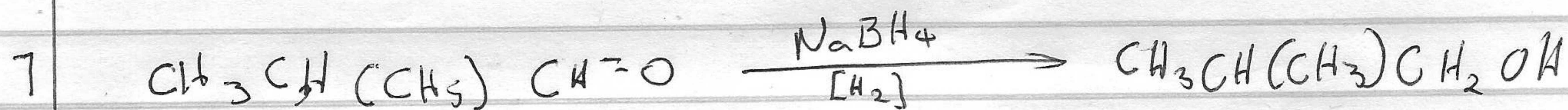
- 1 Alcohols can be classified: in ~~two~~ ways
- i) By the number of carbon atoms attached to the chiral carbon.
 - A primary alcohol is one with the chiral carbon bound to 1 other carbon atom (Ethanol)
 - A secondary alcohol is one with the chiral carbon bound to 2 other carbon atoms (Propan-2-ol)
 - A tertiary alcohol is one with the chiral carbon bound to 3 other carbon atoms (2-methylpropan-2-ol)

2 Alcohols with shorter chains like methanol, ethanol & propanol easily dissolve in water but from butanol they ~~are~~ become increasingly insoluble. This is because hydroxyl groups are hydrophilic while their carbon chain is hydrophobic so the longer the chain, the less likely it is to dissolve.



5 2 methyl propanone does not exist

6 2 methyl ~~propanone~~ propanone does not exist



8 Propan-1-ol can be converted to propan-2-ol by dehydrating propan-1-ol to propene then hydrolysing the propene to propan-2-ol

