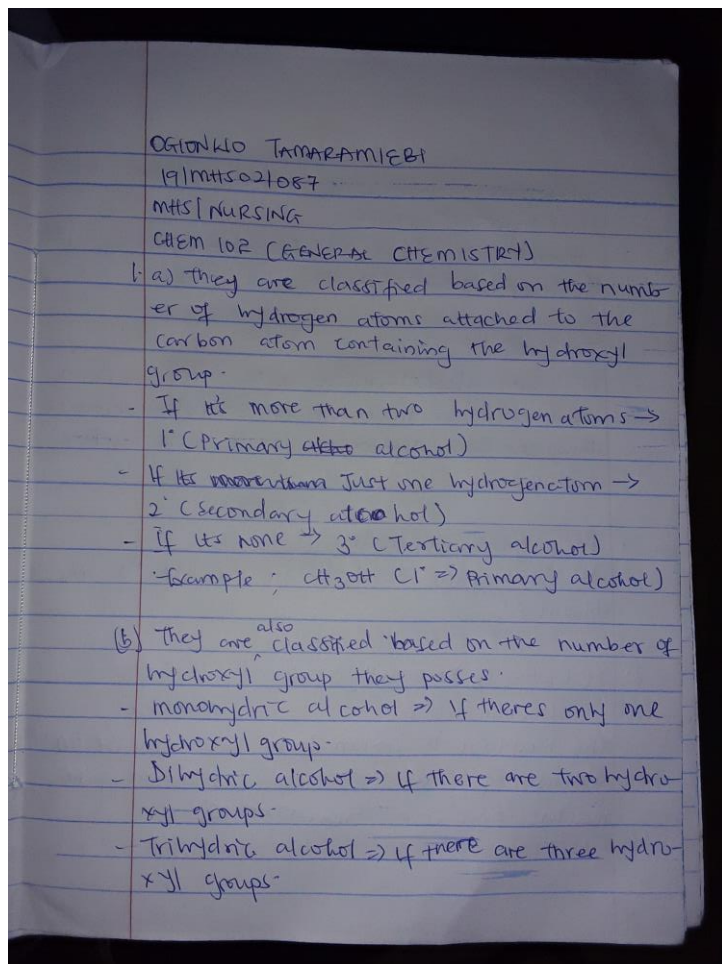


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COURSE: GENERAL CHEMISTRY 102

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polyhydric alcohol \Rightarrow If there are more than three hydroxyl groups.

three hydroxyl groups.
Example: $\text{HOCH}_2\text{CH}_2\text{OH}$ (ethane-1,2-diol) ~~etc~~
(dihydric alcohol).

2. For water:

all lower alcohols with up to three carbon atoms in their molecules are soluble because they can form hydrogen bonds with water molecules.

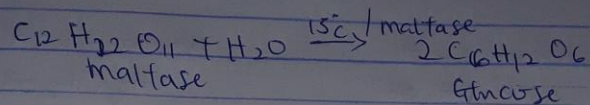
- For organic solvents:

All monohydric alcohols are soluble in organic solvents.

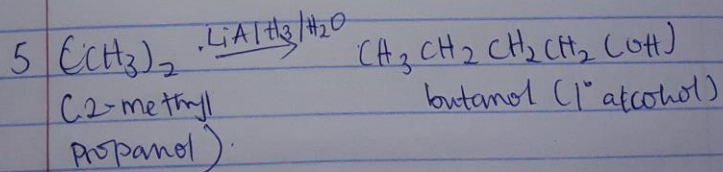
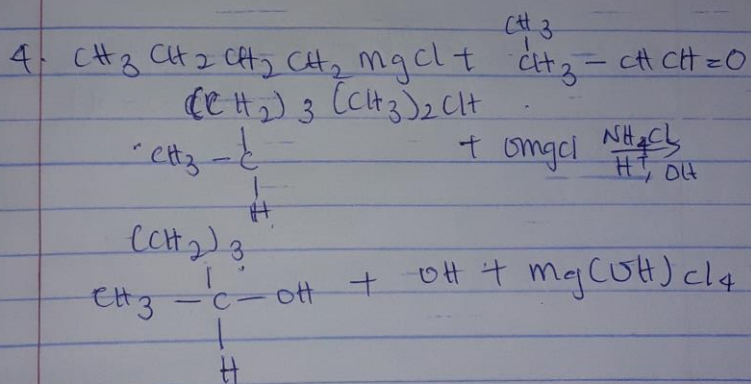
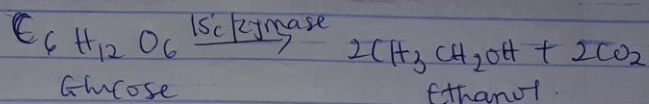
$$2(C_6H_{12}O_5)_n + nH_2O \rightarrow nC_{12}H_{22}O_{11}$$

Carbohydrate. maltose

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



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



6. propan-1-ol
 $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$

propan-2-ol
 $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$

