

Name: Afolabi, Toyinfoluwa Mayowa

Making index 01/04/20

Department: Micro

Course: chem 102

- 1) Discuss the two major classification of Alcohols Give two examples each for each class

Solution

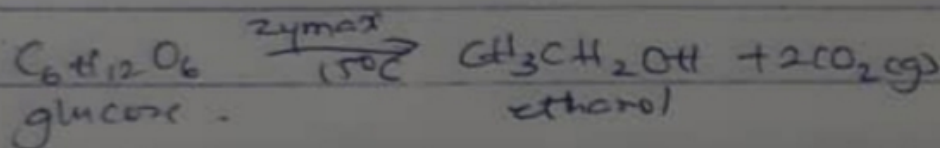
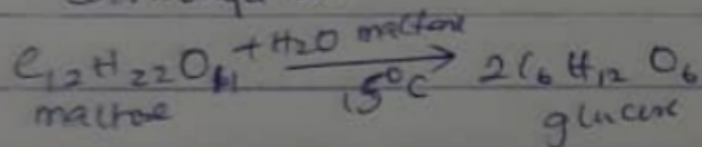
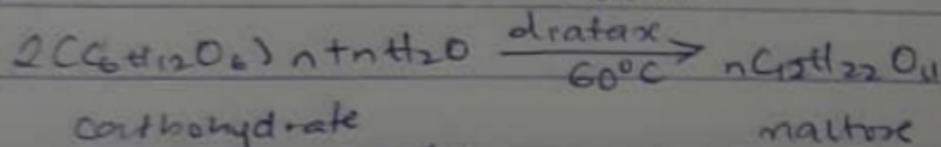
1) Primary alcohols: This is when the number of hydrogen atoms that is being attached to the carbon holding the hydroxyl group is two or three e.g C_2H_5OH , C_3H_7OH

2) secondary alcohols: This is when the number of hydrogen atom that is being attached to the carbon holding the hydroxyl group is one e.g $C_2H_5CH(OH)C_2H_5$, $C_3H_7CH(OH)C_2H_5$, $C_4H_9CH(OH)C_2H_5$

- 2) Discuss the industrial manufacture of ethanol showing all reaction equations and necessary enzymes and temperature of reaction

~~1)~~

Solution:



- 3) Determine the product obtained in the reduction of aldehyde and ketone. Use a specific example for each and show the equation of reaction.