* *Name ; Temile Gabriel*
* *Department; Pharmacy .*
* *College; Medicine and health science.*
* *Course Code ; Chm 102 .*
* *Course name;General Chemistry 2.*
* *Assignment*
* *Matrix number ; 19/MHS11/085*
* *Alchohols are classified into two*
  + *Based on the number of hydrogen atoms at ached to the carbon atom containingthehydroxylgroup.Ifthenumberof hydrogenatomsatachedtothecarbonatomscontainingthe hydroxylgroupare3or2itiscaledaprimaryalcoholIfitis1 hydrogenatom itiscal ledasecondaryalcoholandifthereisno hydrogenatomsthenitiscaledatertiaryalcohol.*
  + *Basedonthenumberofhydroxylgroupstheypossess.Ifthere isonehydroxylgrouppresentinthealcoholstructureitiscaleda monohydricalcohol.Iftherearetwoitiscaledadihydricalcohol orglycol.Iftherearethreeitiscaledatrihydricalcoholortriol.If therearemorethanthreeitiscaledapolyhydricalcoholorpoly.*
* *loweralcoholswithuptothreecarbonatomsintheirmolecules aresolubleinwaterbecausetheycanform hydrogenbonwith watermolecules.AlMonohydricalcoholsaresolubleinOrganic solvents.*
* *IndustrialManufactureofEthanol*
* *Starchcontainingfoodscanbemadetoyieldethanolthrougha biologicalprocesscaledfermentation*
  + *theethanolcontainingmaterialiswrmedwithmaltto60Cfora periodoftime.Thisconvertsitintomaltosebytheenzyme diastosecontainedinthemalt.*
* *2(C6H10O5)n +nH20 Diatose nC6H12011 Carbohydrate 60.C Maltose*
  + *Themaltoseisbrokendownintoglucosewhenyeastisadded whichcontainsenzymemaltoseat15.C*
* *C6H22O11+H20 Maltase 2C6H12O6*
* *Maltose 16C Glucose*
  + *Theglucoseat15.Cisconvertedintoalcoholbyenzyme zymasecontainedinyeast.*
* *C6H12O6 Zymase 2CH3H2OH + 2CO2 Glucose 15C Ethanol Carbondioxide*
* *.*