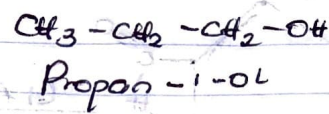
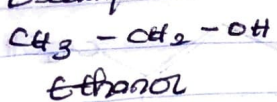


MATRIC NO: 191MHS061023

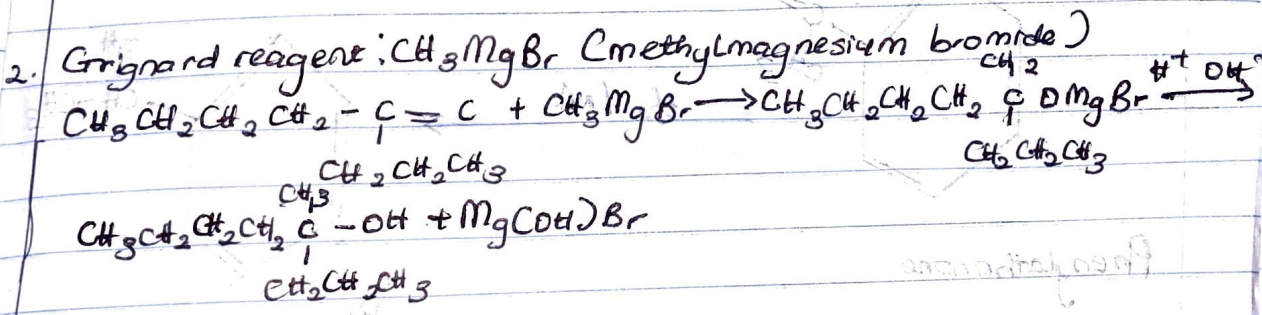
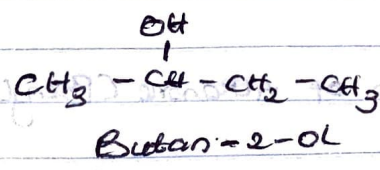
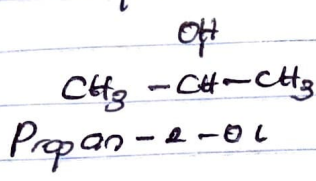
1. Primary alcohol: In primary (1°) alkyl alcohol, the carbon atom that carries the OH group is only attached to one alkyl group.

Example

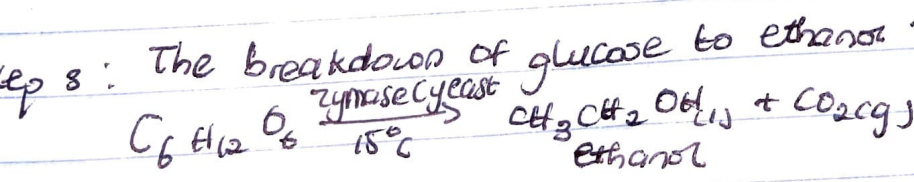
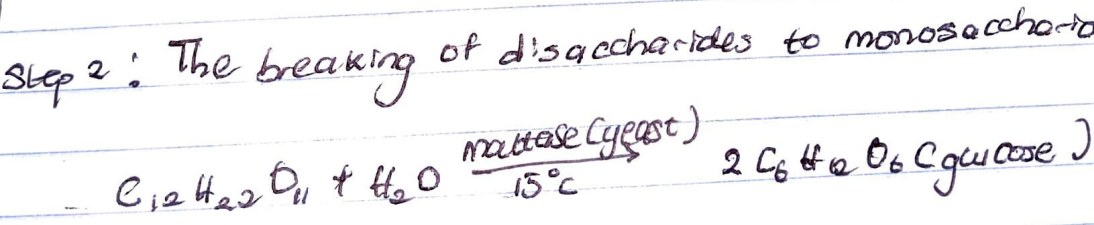
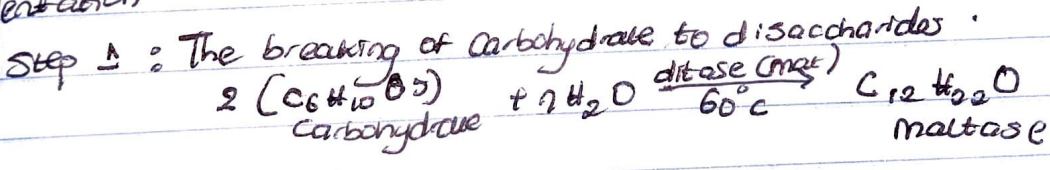


Secondary alcohol: In secondary (2°) alkyl alcohol, the carbon atom with the OH group attached is joined directly to 2 alkyl groups which may be different.

Example

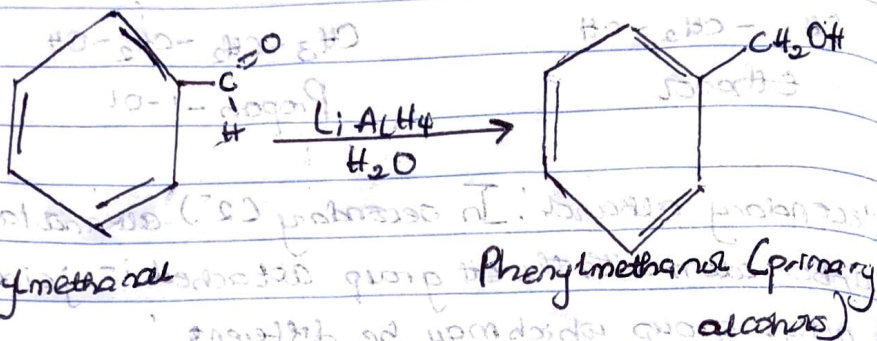


3. Industrial manufacture of Ethanol: A biological process known as fermentation.



Note:  $CO_2$  goes into the atmosphere leaving ethanol.

4. Reduction of alkanones and alkanals yields secondary alcohols and primary alcohols respectively.  
Specific examples: Reduction of alkanal (Phenyl methanal):



ii Reduction of Alkanone (Phenyl ethanone):

