

CHEMISTRY ASSIGNMENT  
ORU FENADO JEROME

19/MHS01/359

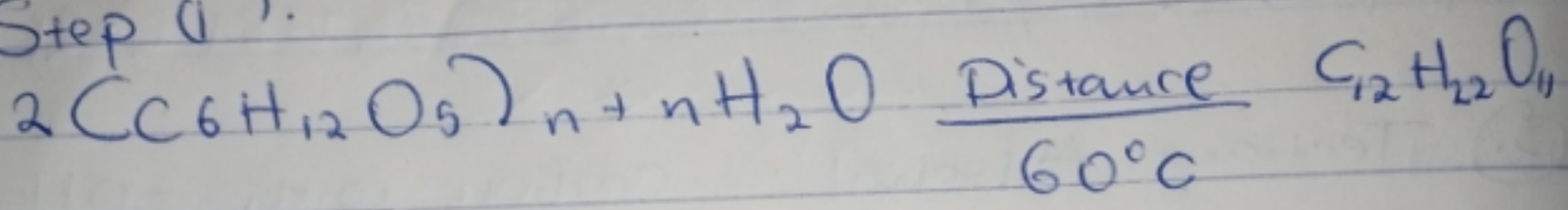
- ① Primary Alcohol: carbon with  $-OH$  is bonded to one other carbon. example is methanol.
- ② Secondary Alcohol: carbon with  $-OH$  is bonded to two other carbons. example is Propan-2-ol.
- ③ Tertiary Alcohol: carbon with  $-OH$  is bonded to three other carbons. example is 2-methyl butan-2-ol.
- ④ Aromatic Alcohol:  $-OH$  is bonded to a benzene ring. example is Cresylic acid and its derivatives.

② - lower alcohols are soluble in water and as the number of carbon atoms increase, solubility decreases.

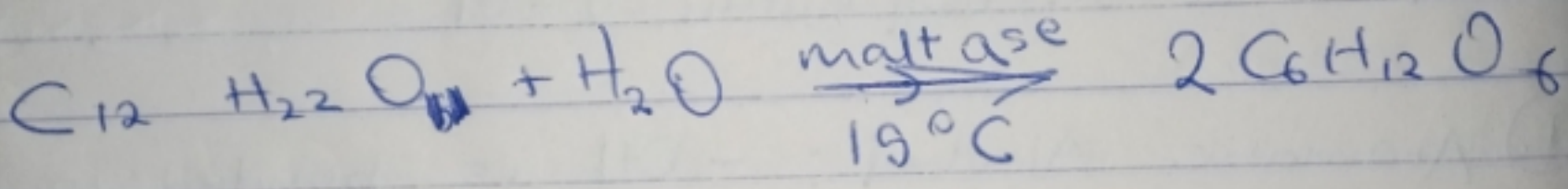
- Alcohols are always soluble in organic compounds because they are both organic.



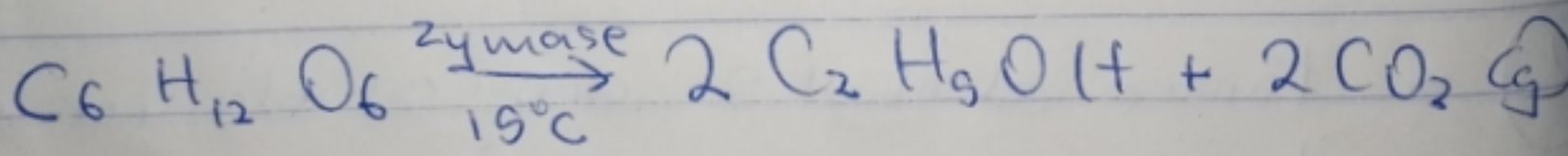
③ Step (1).



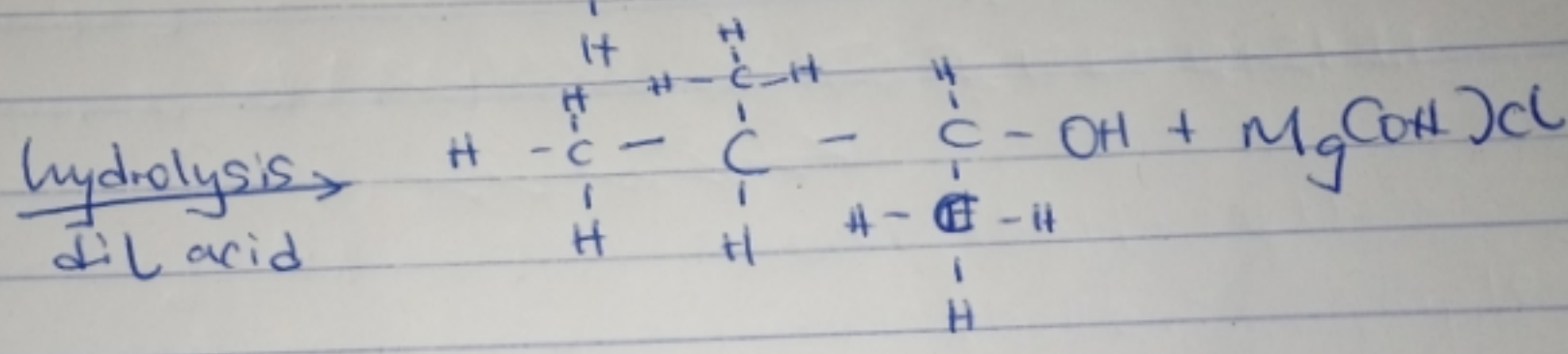
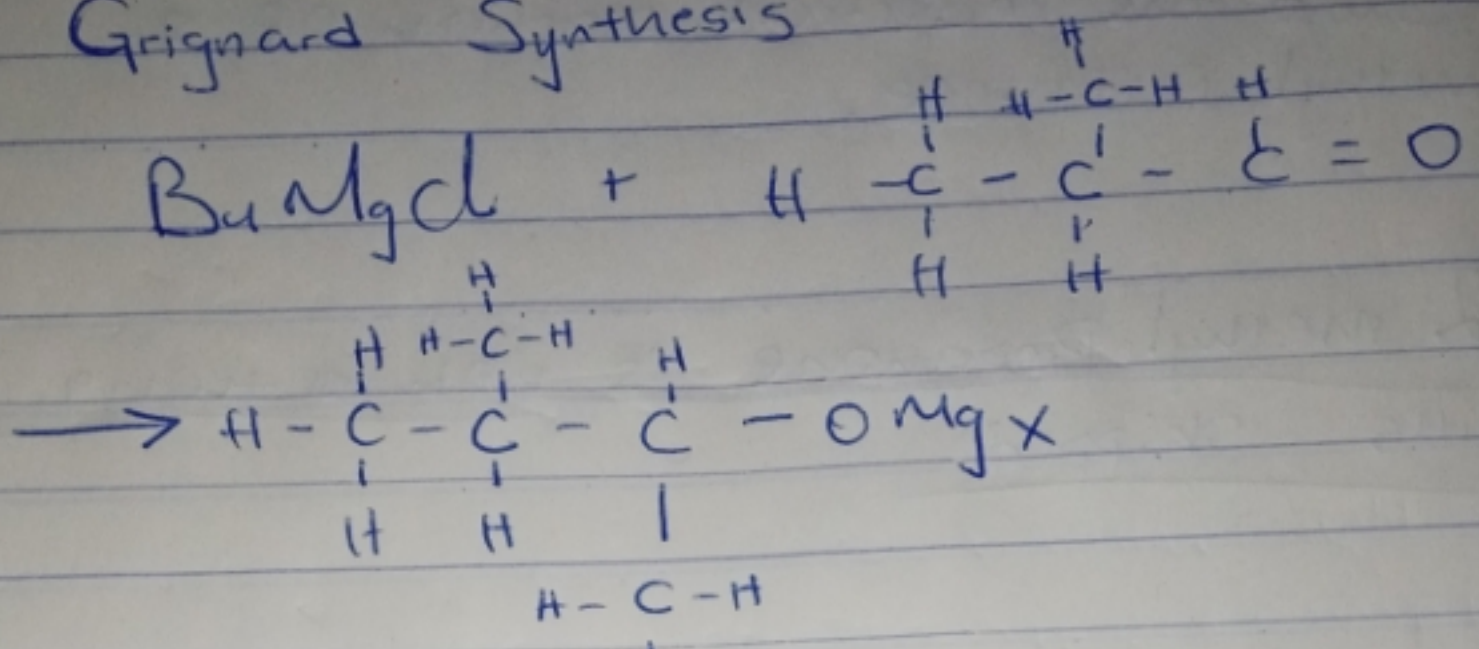
Step (2).



Step (3).



4. Grignard Synthesis



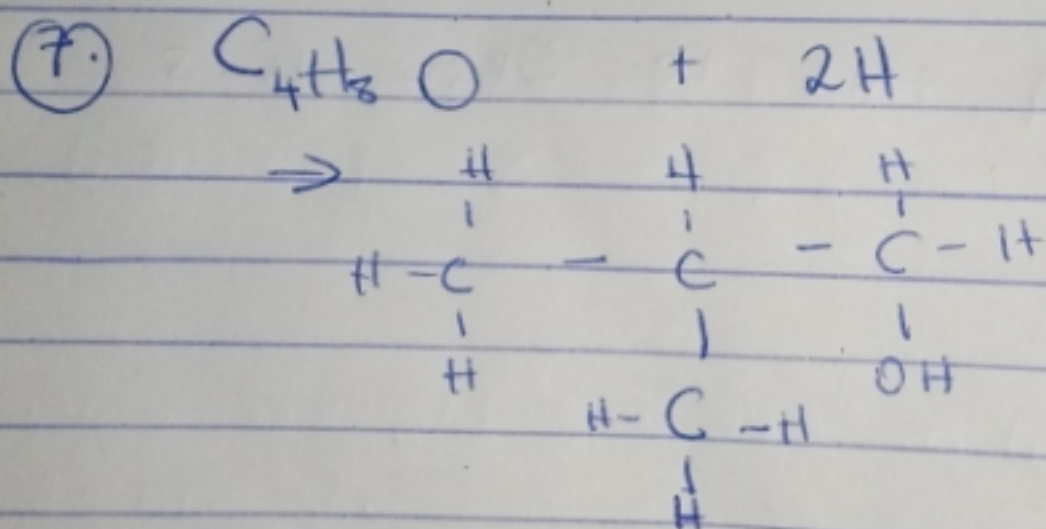
5.

We were told to skip this question.



⑧ Show the reduction reaction of 2-methyl propanone.

2 methyl Propanone is not a thing so its skipped



~~CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>OH~~

~~CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>OH~~

2-Methyl Propan-1-ol

⑧ Propan-1-ol to Propan-2-ol

