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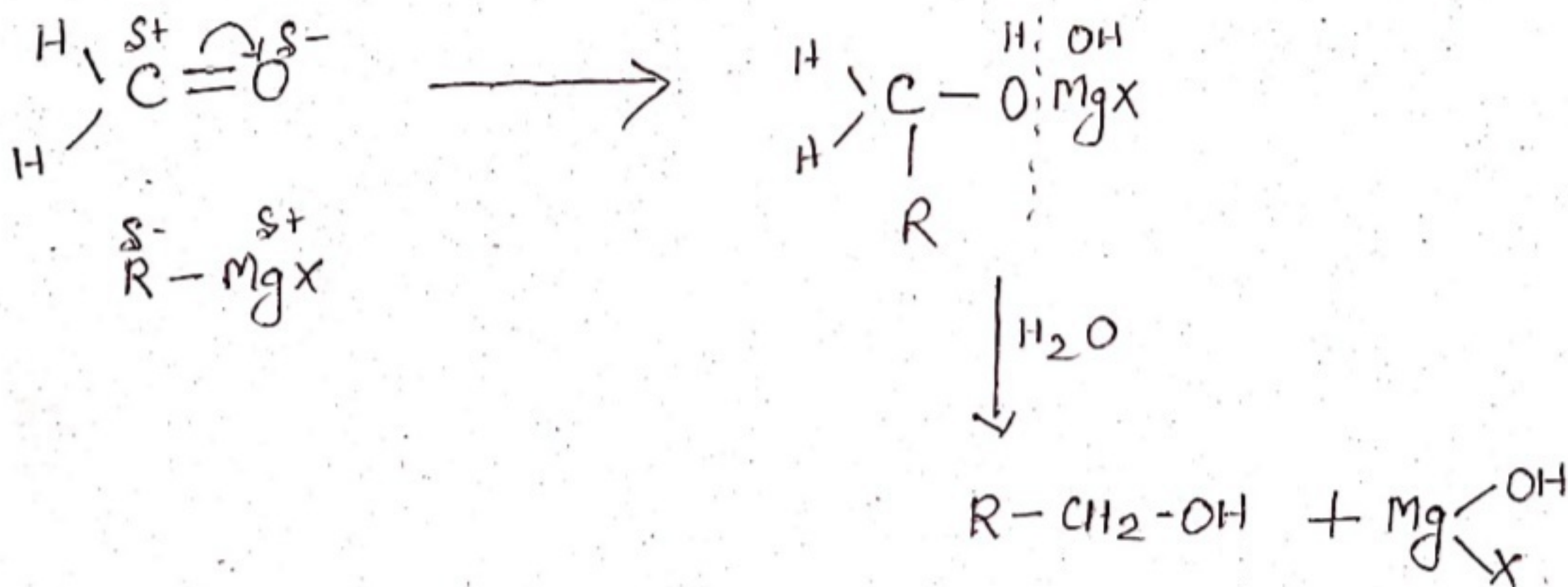
1.

Lecture - 14

Topic:-Some Important Reaction Of G.R

Chemistry, Class-XII, Unit-10,08-07-2020

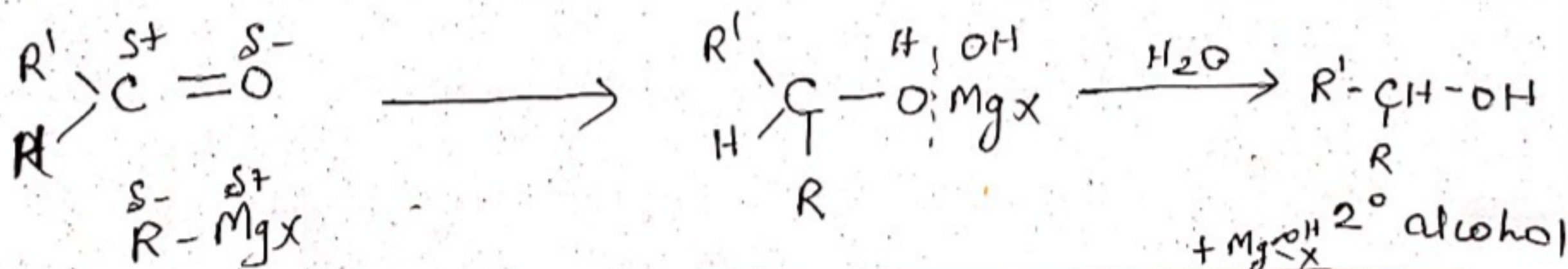
Reaction Of Grignard Reagent With HCHO



* Grignard Reagent reacts with methanal (Formaldehyde) followed by Hydrolysis gives 1° alcohol.

* Alkyl Group comes from Grignard Reagent.

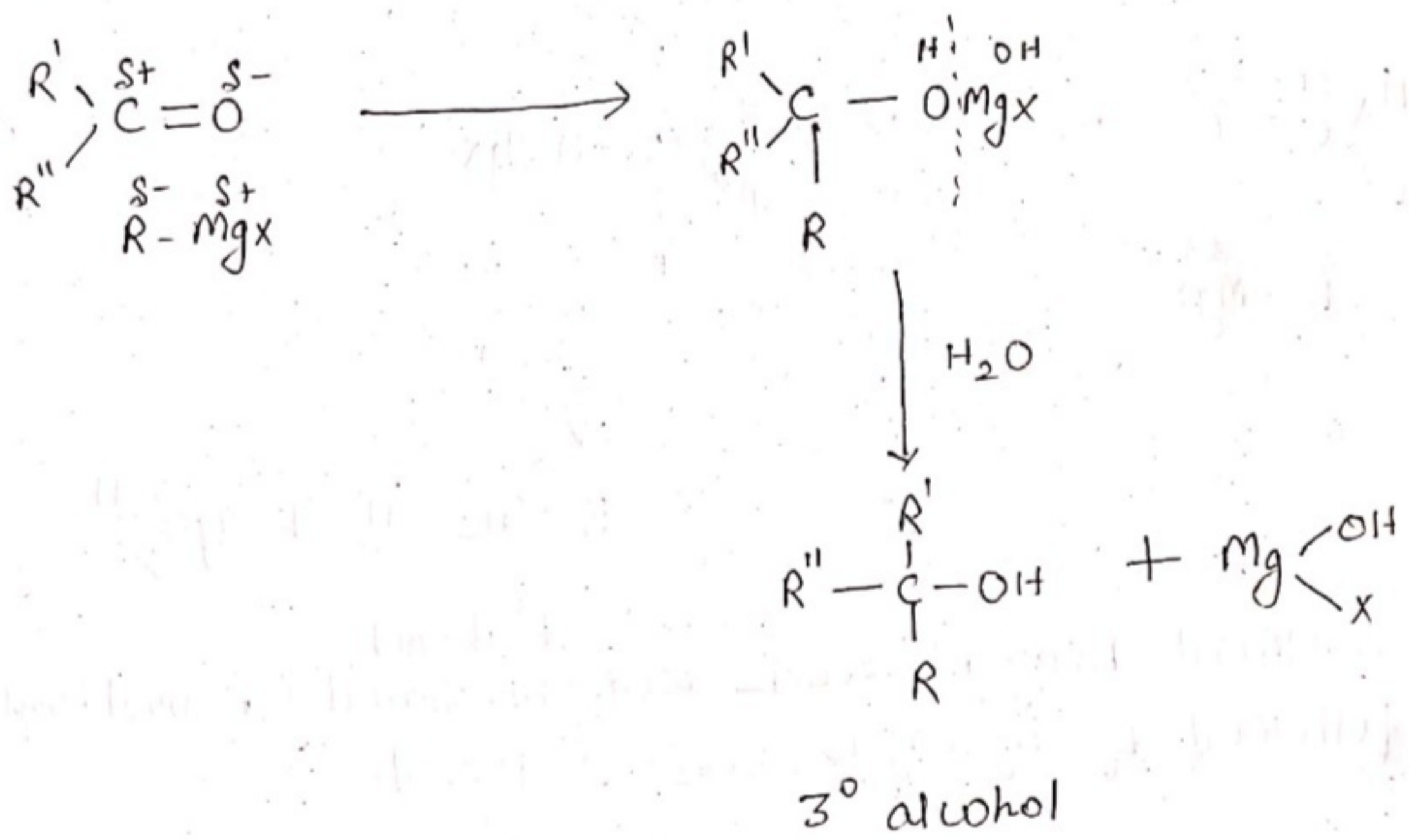
Reaction with RCHO (Aldehyde other than Formaldehyde)



* Grignard reagent reacts with aldehyde other than formaldehyde gives 2° alcohol.

* One alkyl group of alcohol comes from aldehyde and other from G.R.

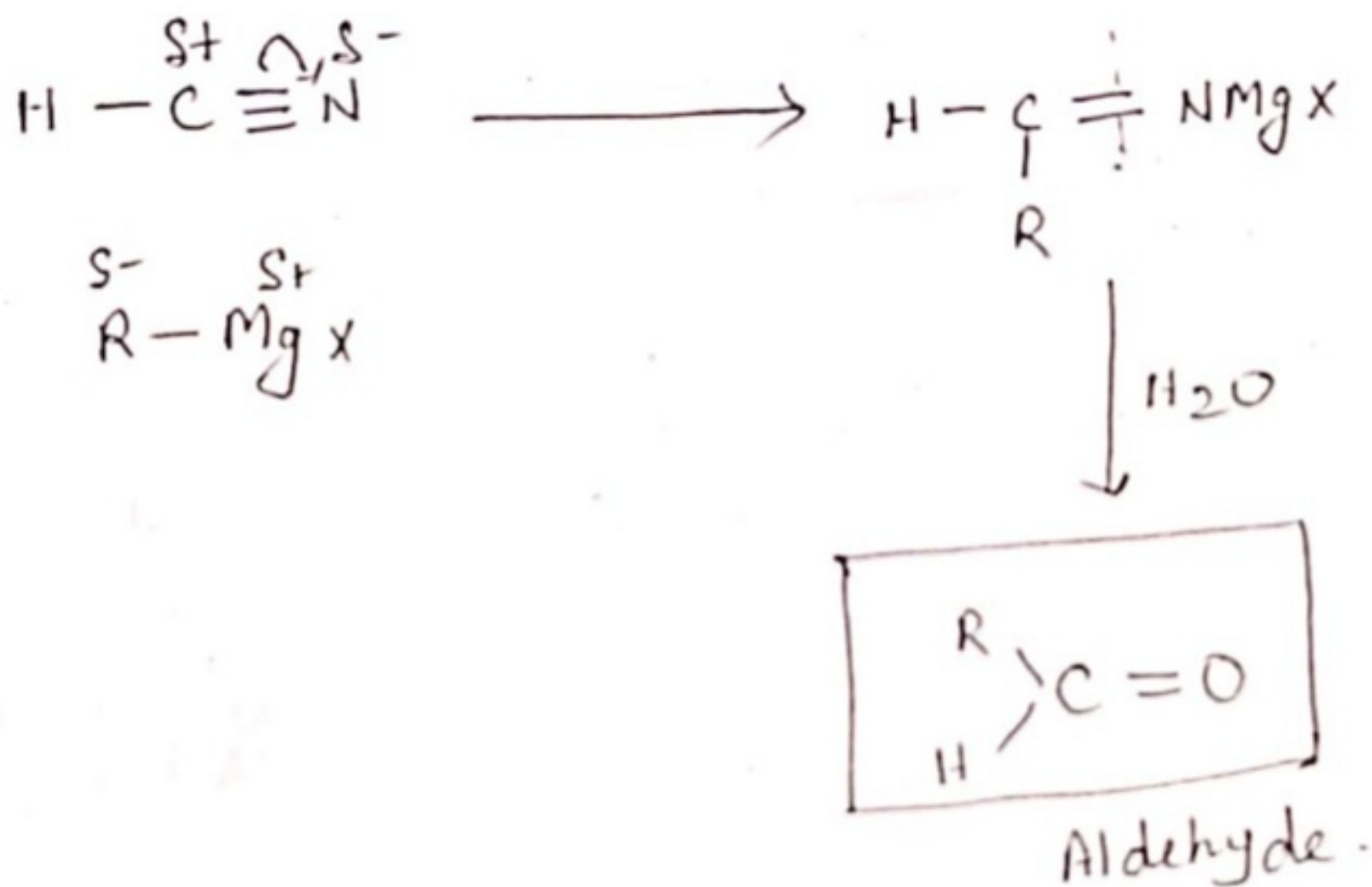
Reaction with Ketone



With ketone, Grignard reagent (G.R.) gives 3° alcohol

Two alkyl group of alcohol comes from ketone and one from G.R.

Reaction with HCN



Reaction with Alkyl Nitrile

