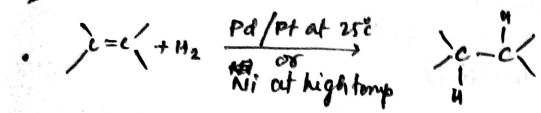
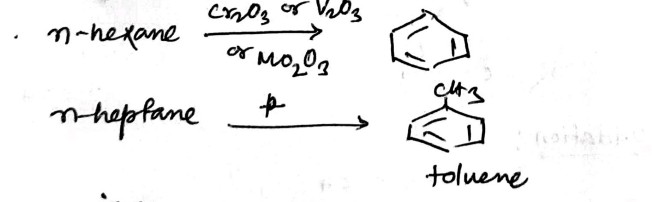
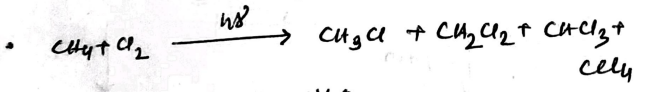
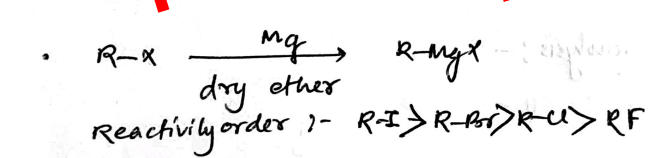
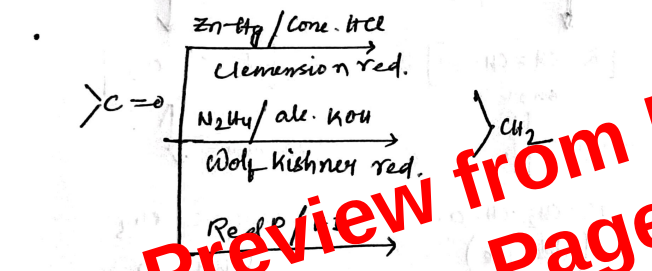
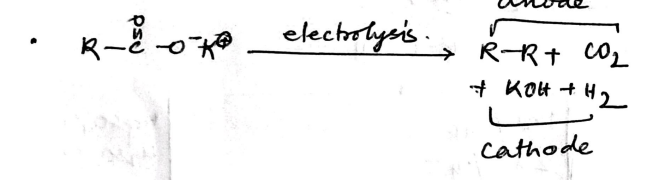
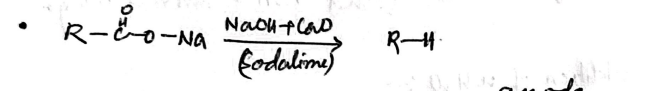
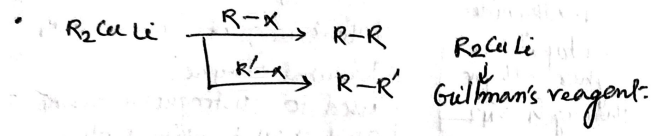
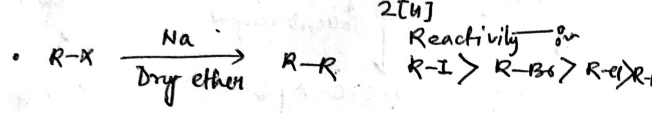
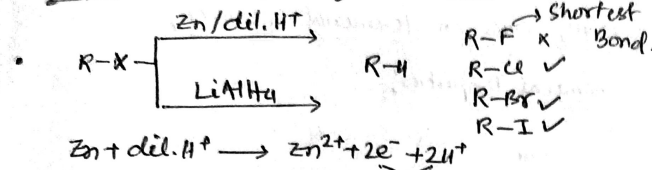


HYDROCARBONS

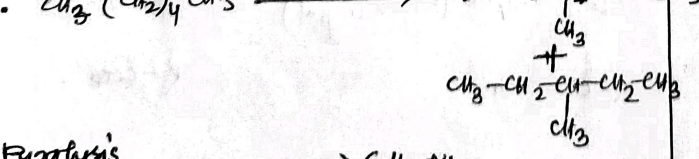
Alkenes - Preparation



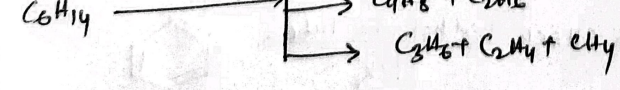
addition of H_2 is Syn addition



Isomerism

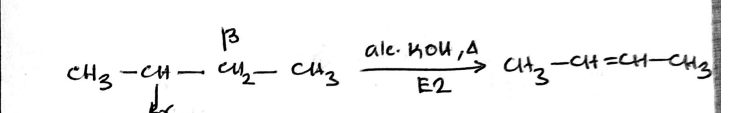
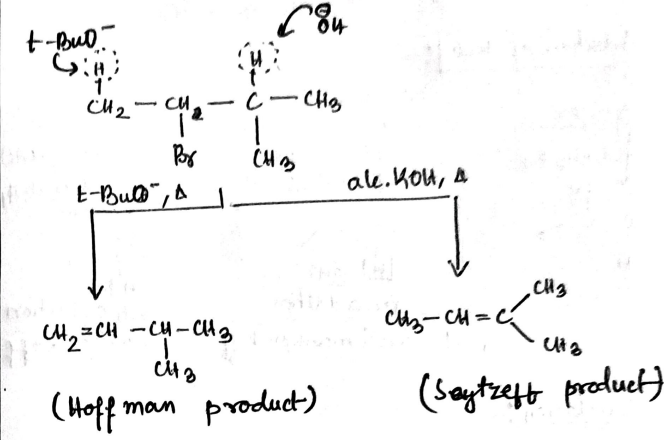
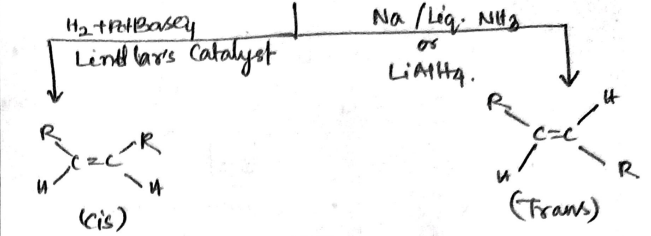


Pyrolysis

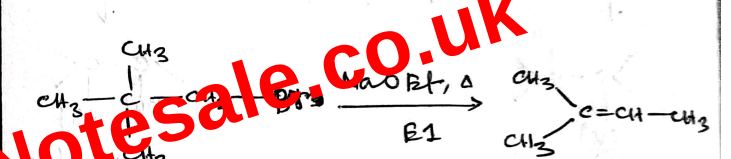


Alkenes :-

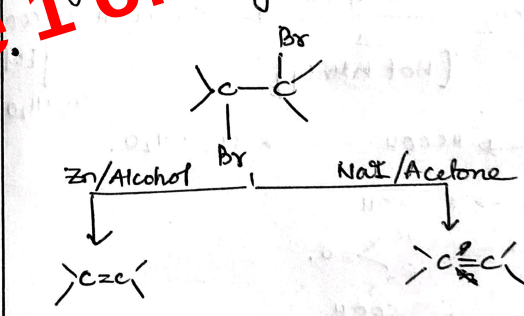
Preparation :-



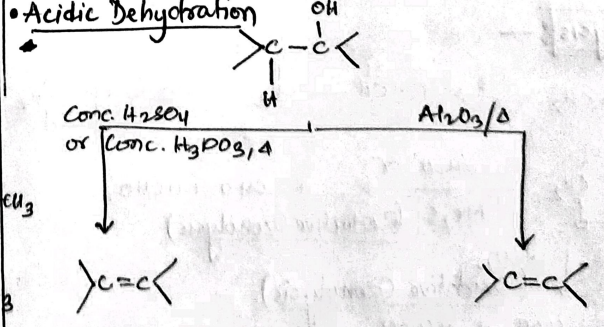
Alkyl halide having β -hydrogen follow E2 mech.



Alkyl halide having no β -hydrogen follow E1.



Acidic Dehydration



- $1^\circ R-OH$ (Smaller) $\rightarrow$ E2
- $1^\circ R-OH$ (Bulky) $\rightarrow$ E1.
- $2^\circ R-OH$ $\rightarrow$ E1
- $3^\circ R-OH$ $\rightarrow$ E1.

Ease of dehydration: $3^\circ ROH > 2^\circ ROH > 1^\circ ROH$