

Alkynes :-

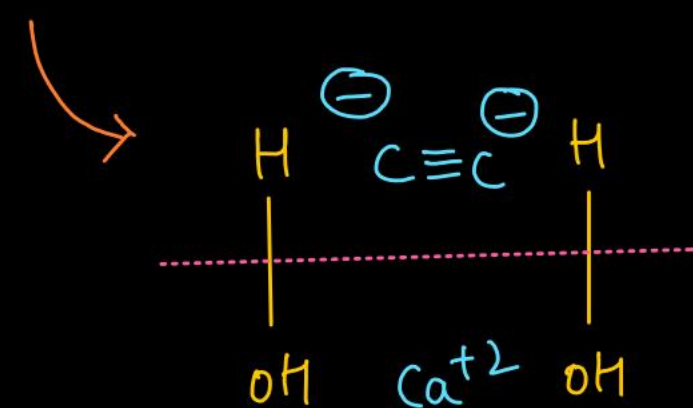
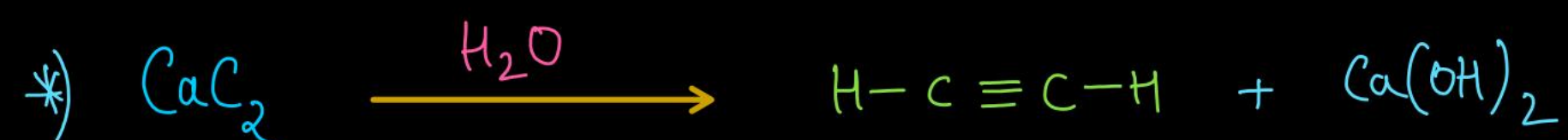
MOP :-

- | | | | |
|-----------------------|-------------------------------------|--------|---|
| ① from Carbides | $\text{CaC}_2 + \text{H}_2\text{O}$ |> | 2 |
| ② Dehydrohalogenation | alc. KOH, NaNH_2 |> | 3 |

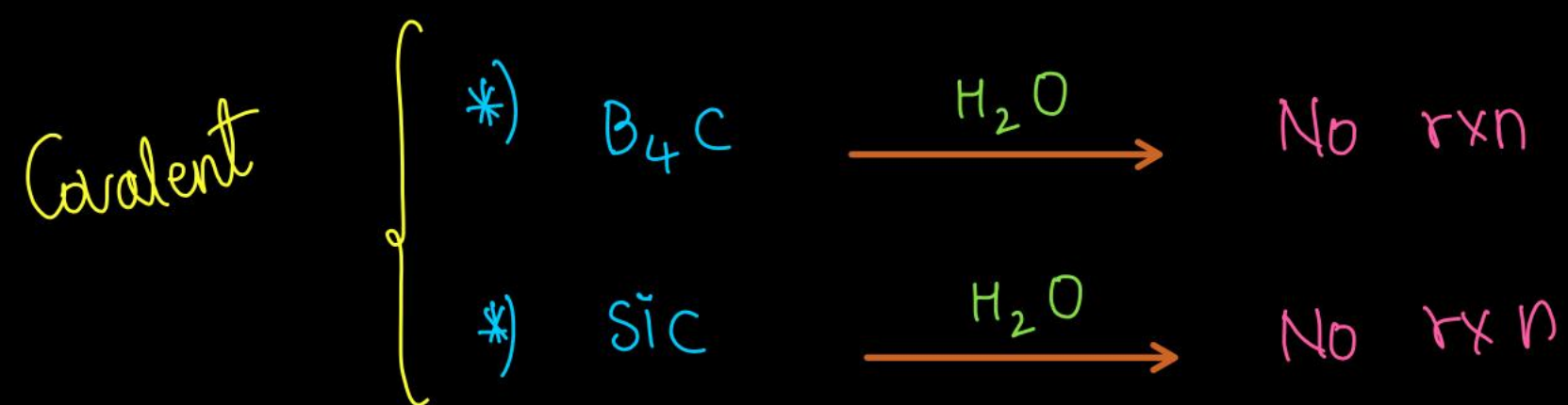
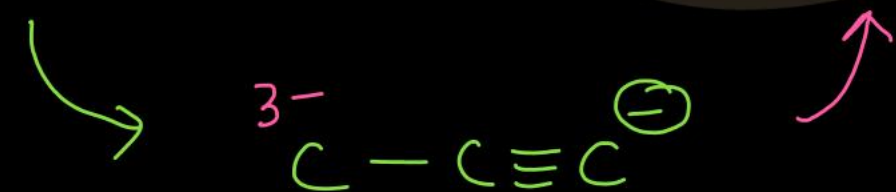
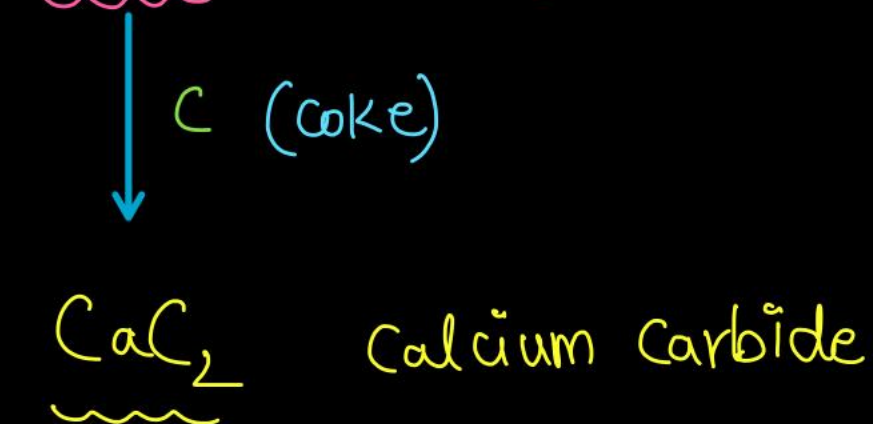
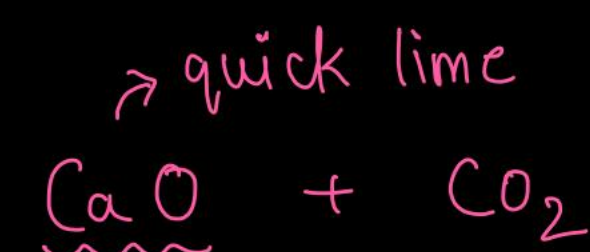
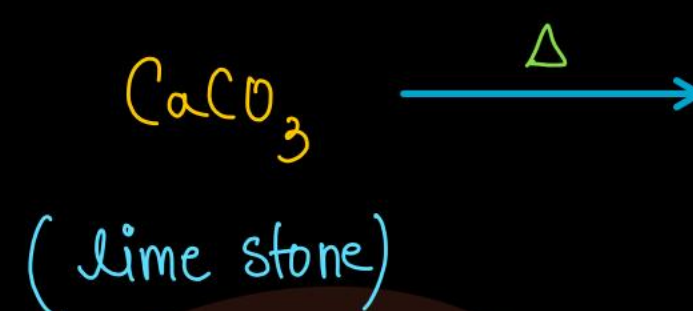
Properties :-

- | | | | |
|-------------------------------|--|--------|---|
| ① Acidic Nature | |> | 4 |
| ② Addition of Hydrogen | H_2/Ni , $\text{Na} + \text{liq NH}_3$ |> | 5 |
| ③ Addition of Halogen | Br_2/CCl_4 |> | 5 |
| ④ Addition of Hydrogen halide | HCl, DCl |> | 6 |
| ⑤ Addition of Water | $\text{Hg}^{+2}/\text{H}_2\text{O}$ |> | 7 |
| ⑥ Cyclic polymerisation | $\frac{\text{Fe}}{\text{Red Hot P}}$ |> | 8 |

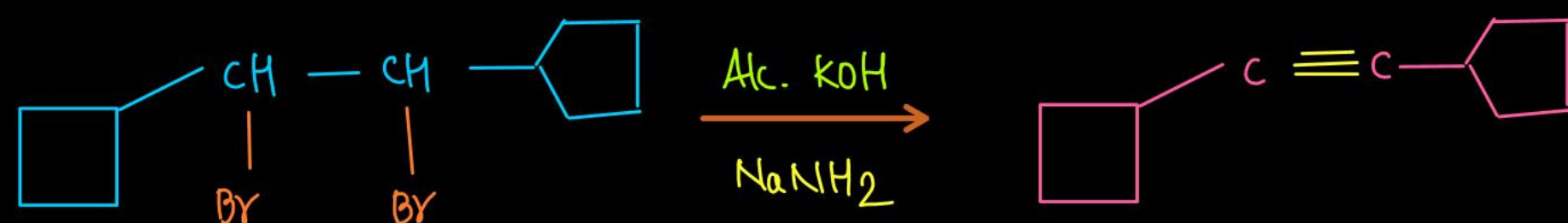
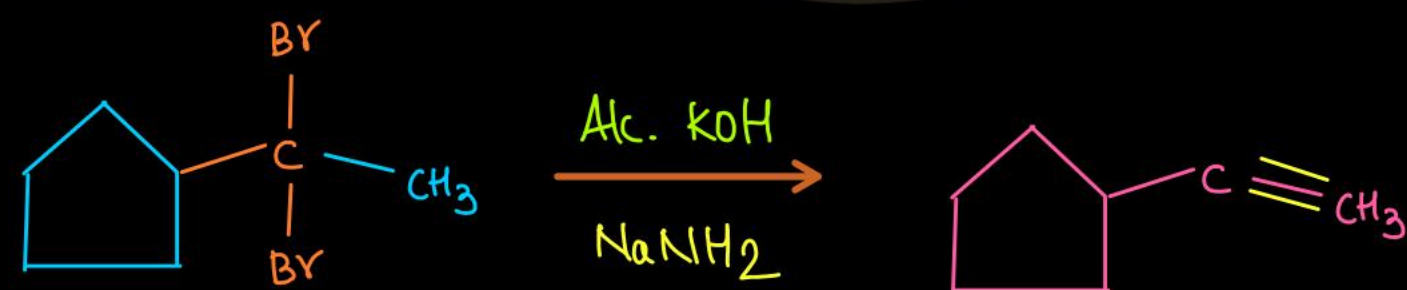
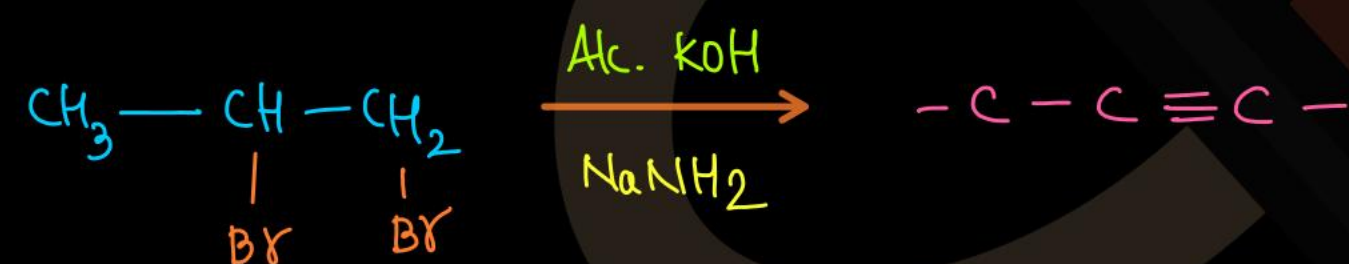
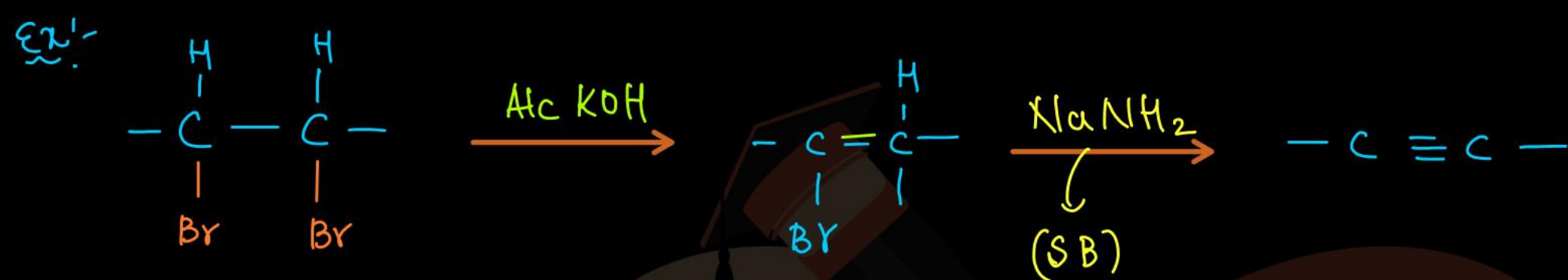
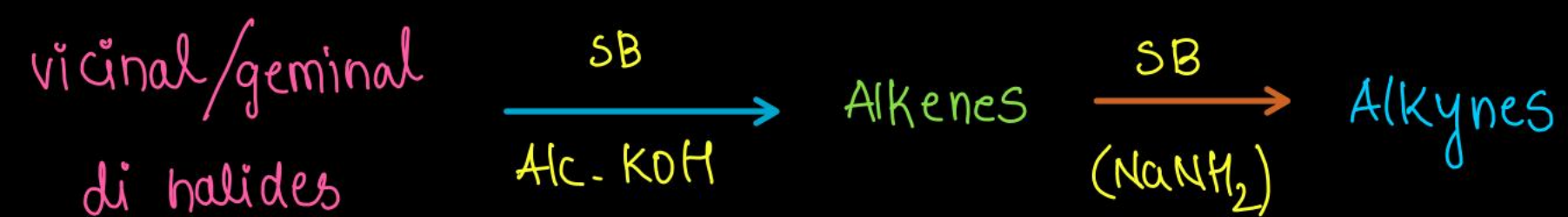
① From Carbides



Note:-



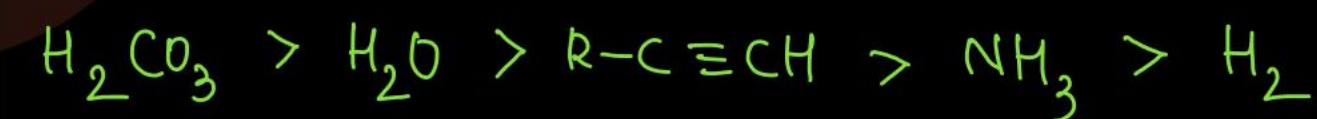
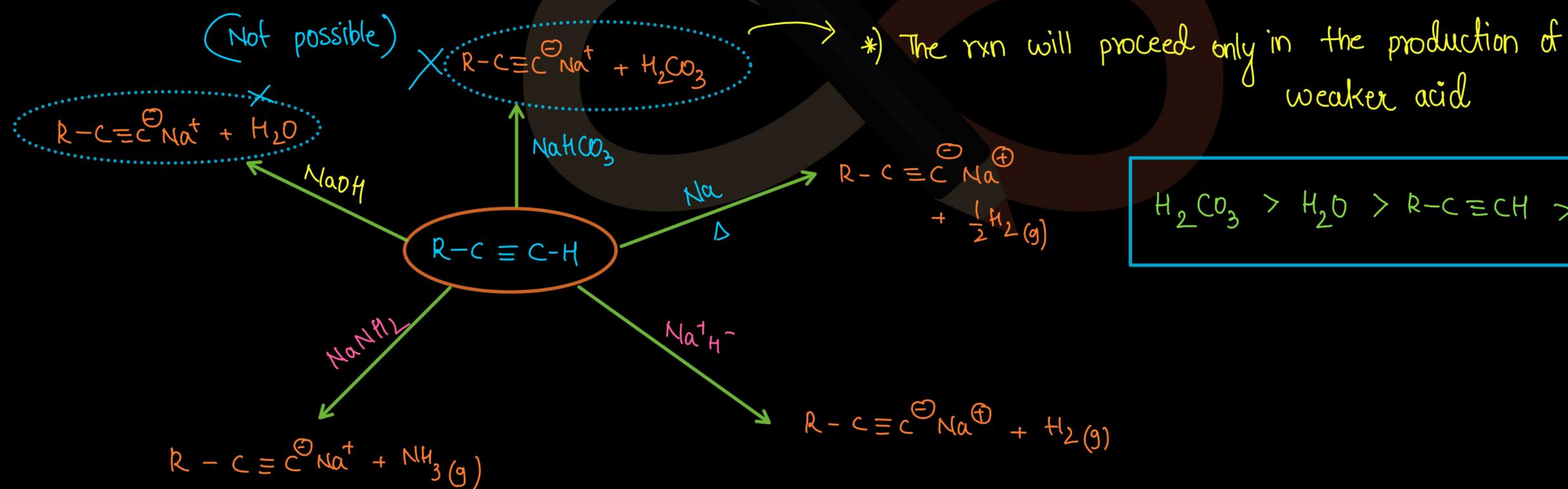
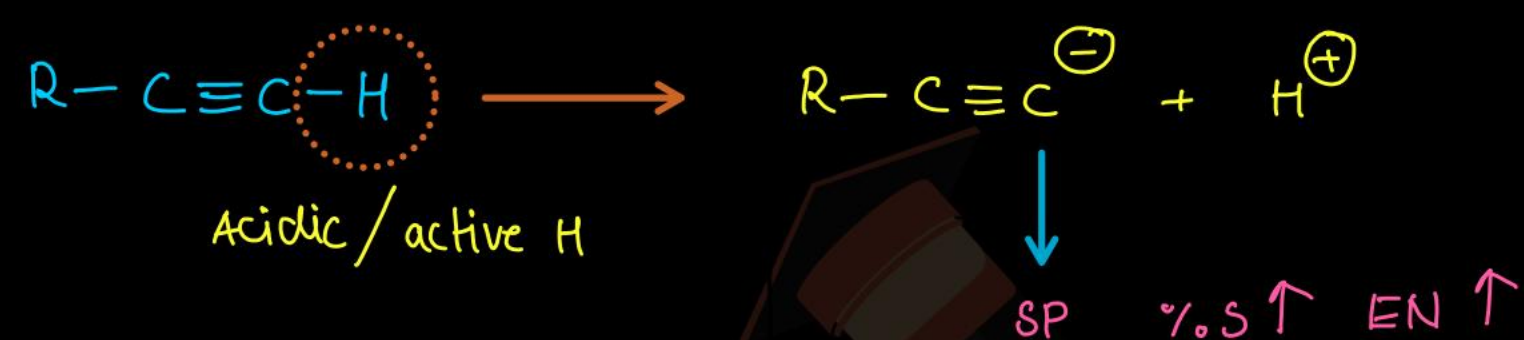
② Dehydrohalogenation



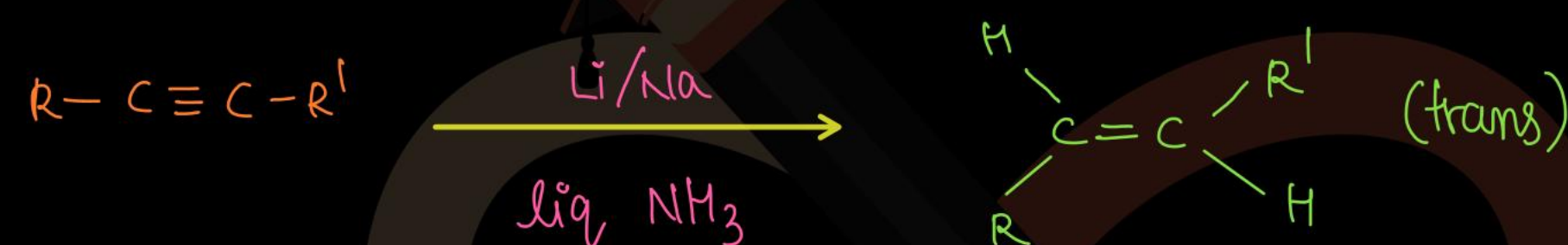
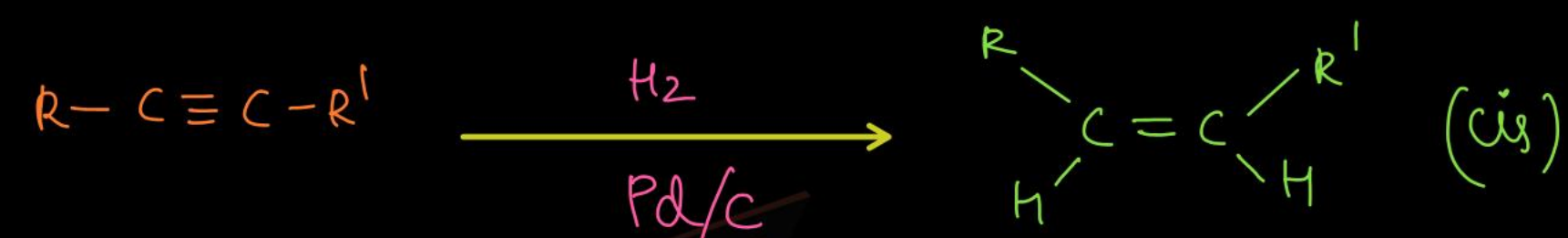
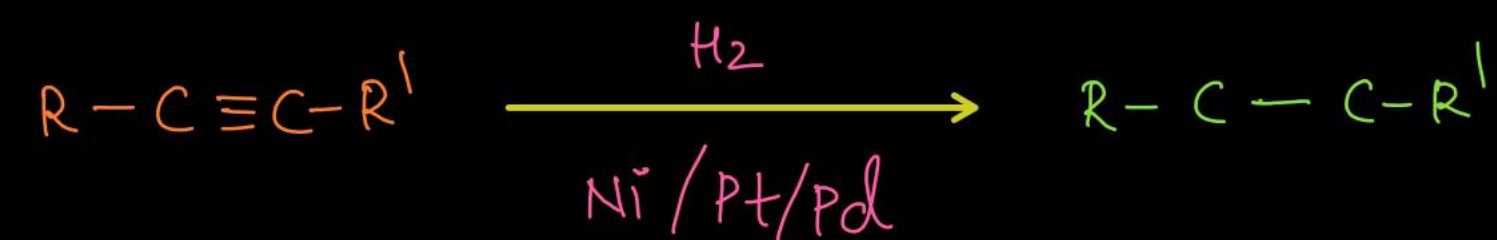
Properties :-

① Acidic Nature :

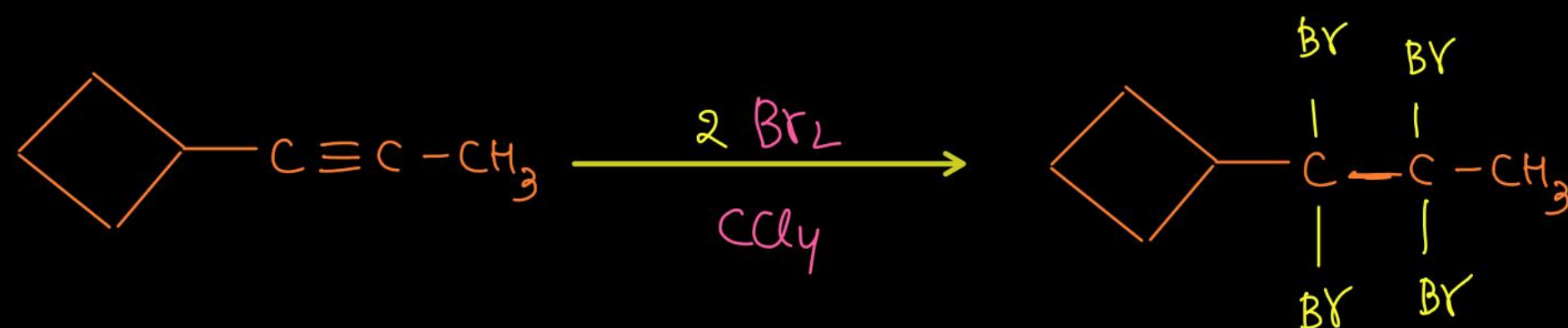
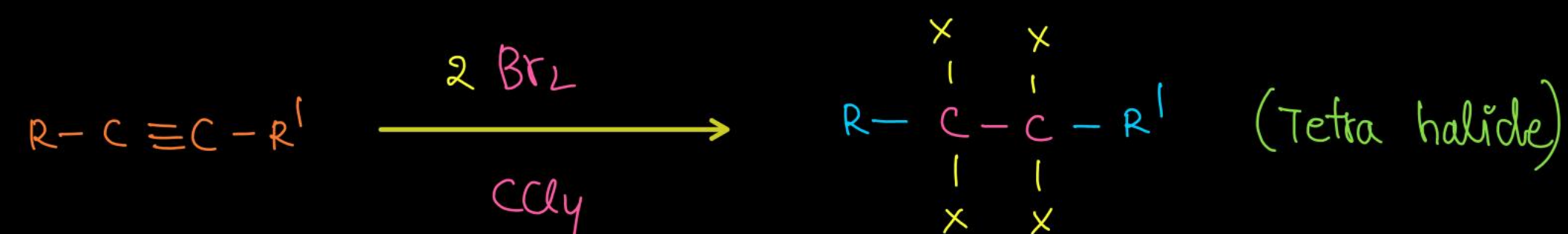
Terminal alkynes are acidic in nature



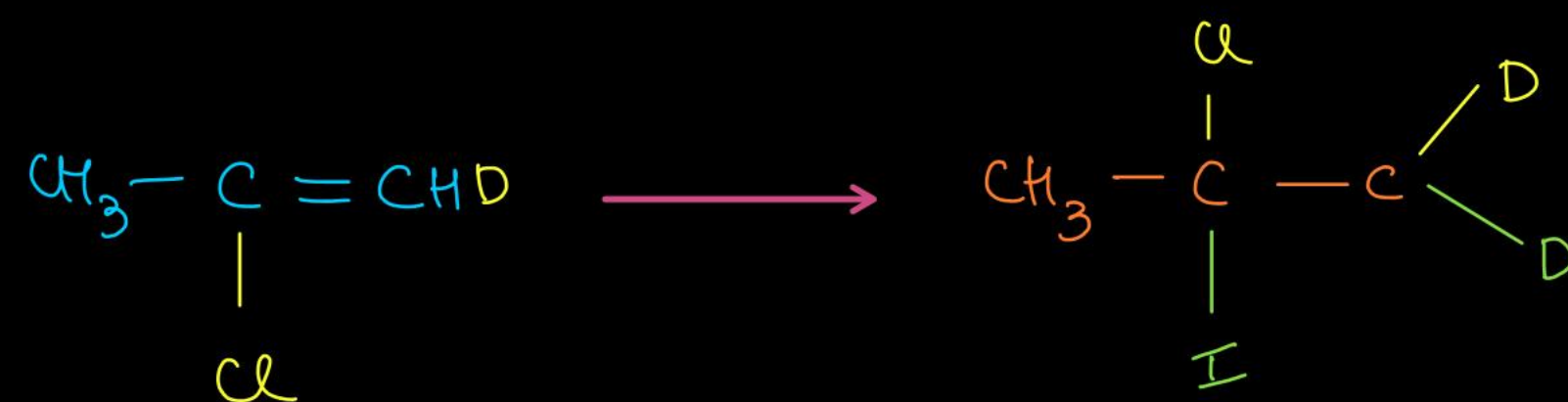
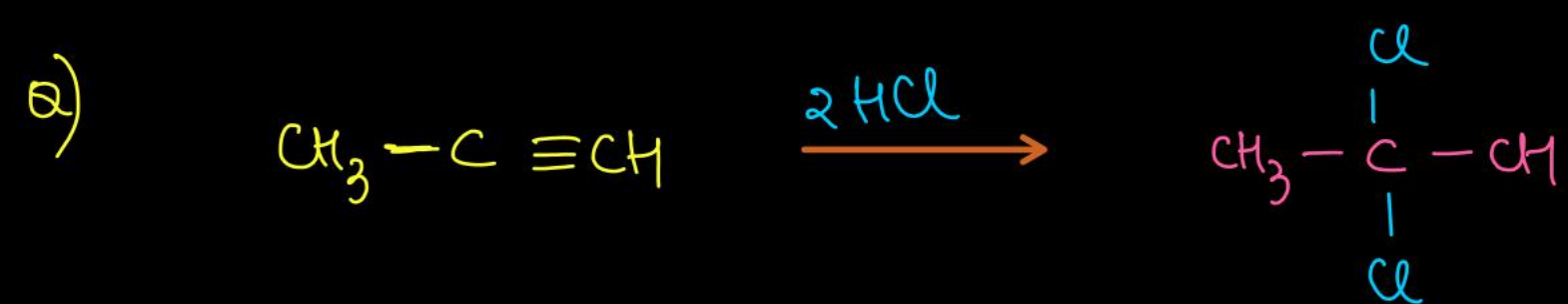
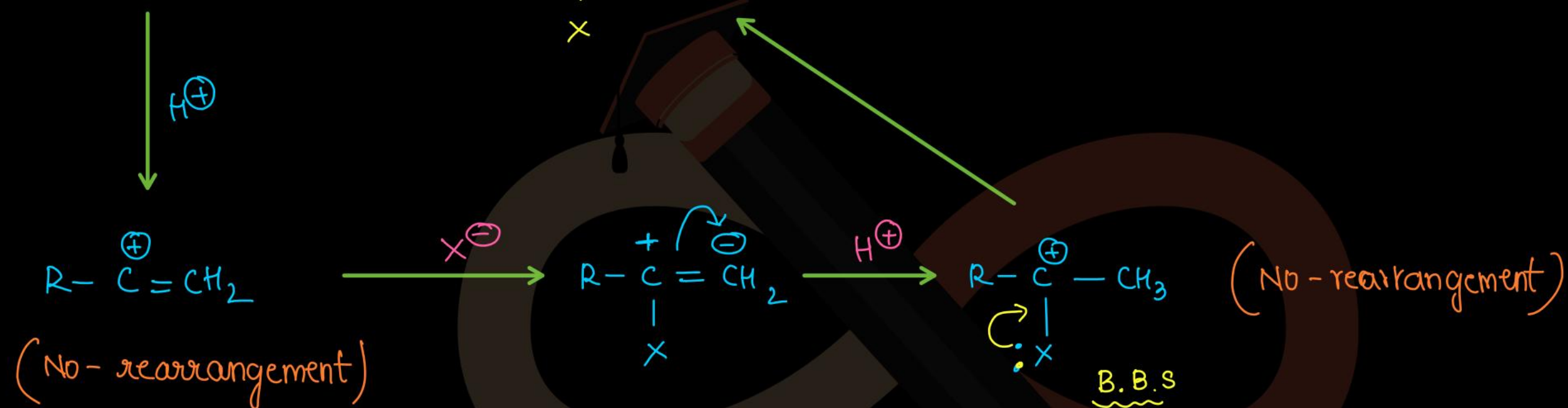
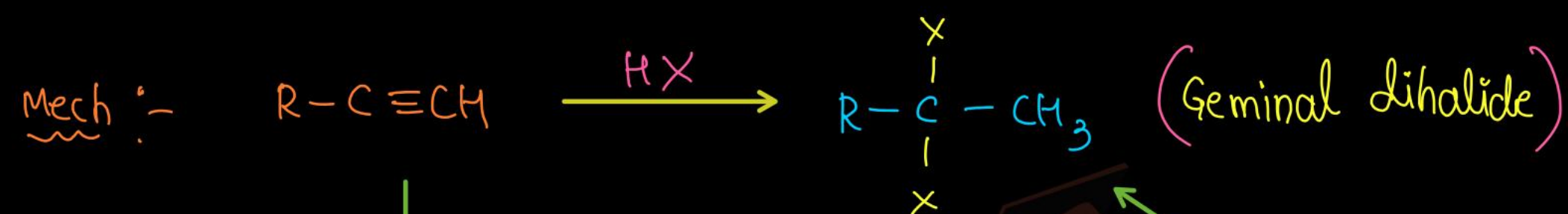
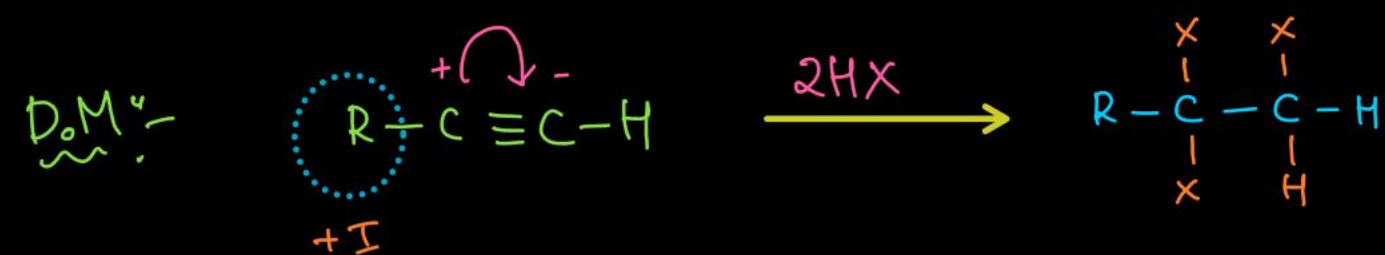
② Addition of hydrogen



③ Addition of Halogen :



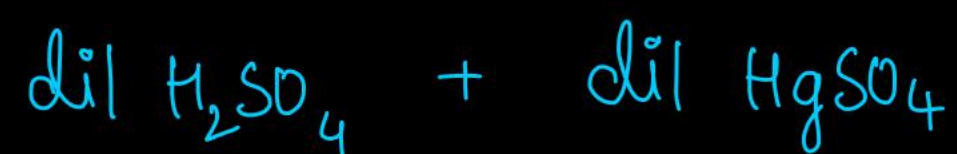
④ Addition of hydrogen halide :



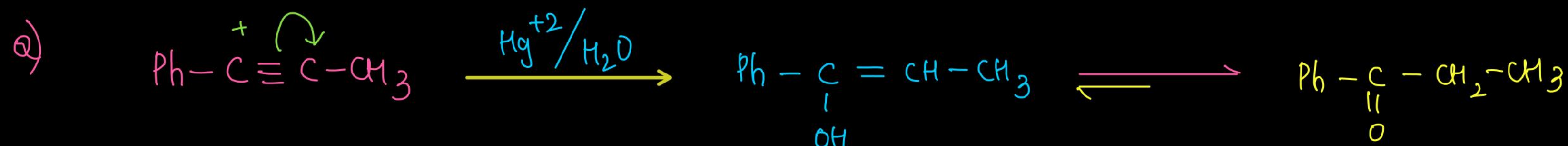
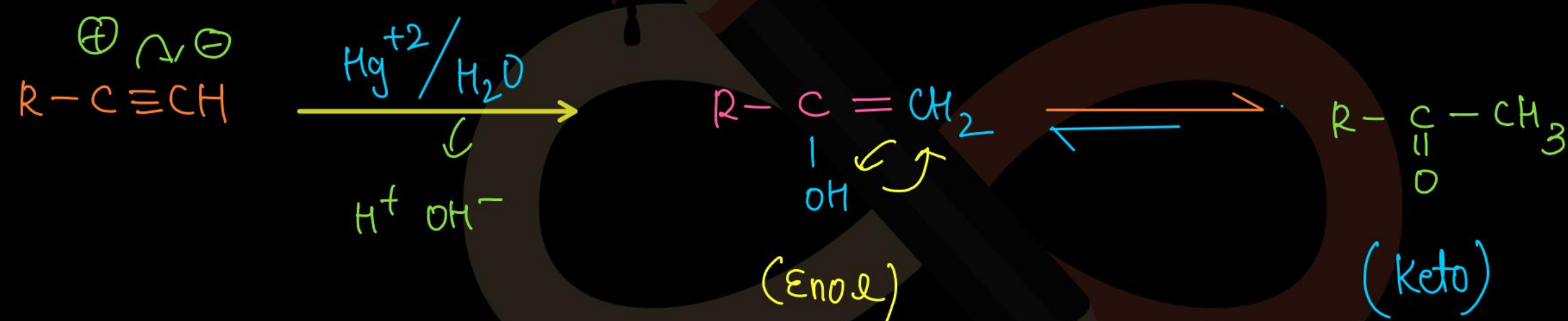
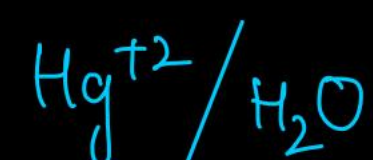
⑤ Addition of Water

Kucherov's
rxn

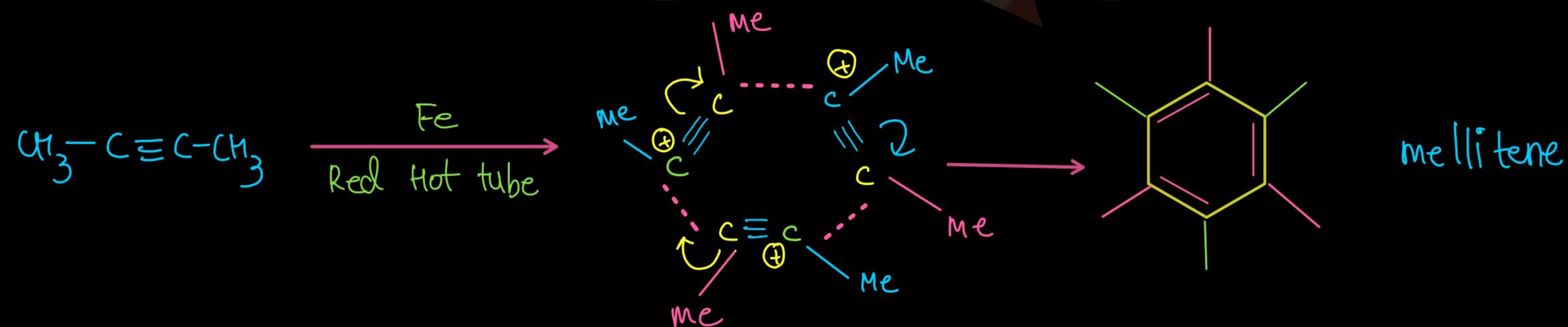
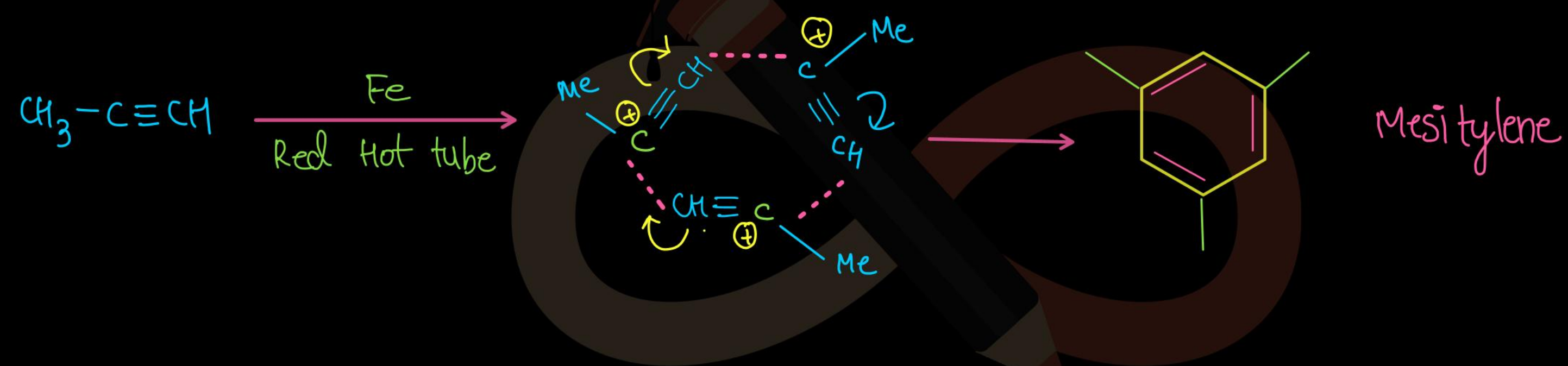
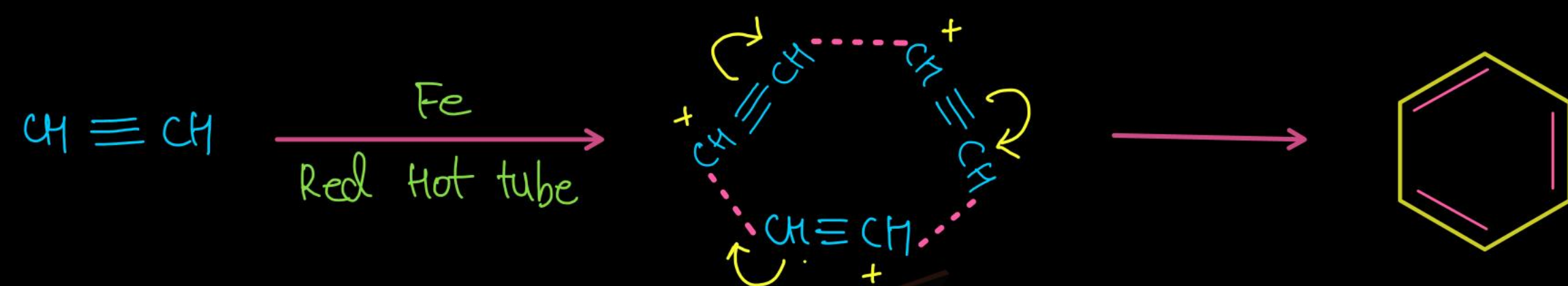
reagent :



(or) (1-2%)



⑥ Cyclic polymerisation



Practice :-

