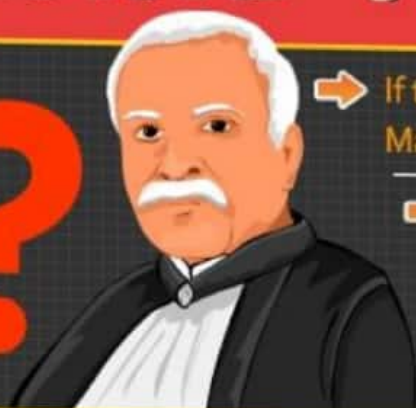


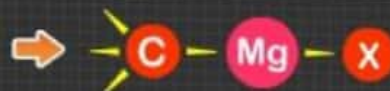
GRIGNARD REAGENT

WHAT IS GRIGNARD REAGENT?



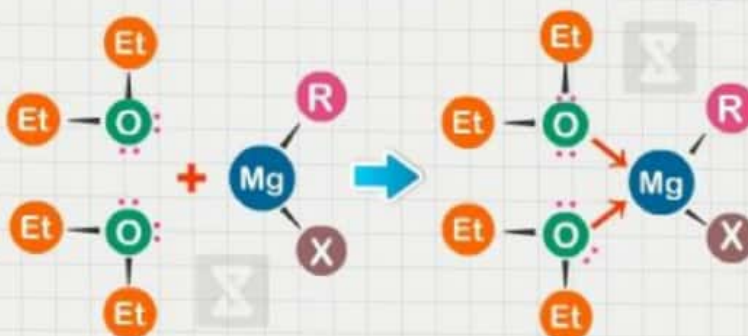
→ If the metal attached to the carbon is Magnesium, then it is called Grignard Reagent.

→ Victor Grignard first synthesized this compound.



WHY GRIGNARD REAGENT IS PLACED IN DRY ETHER ?

Ether provides stability to Grignard reagent by completing the octet on Mg.



WHAT ARE ORGANO METALLICS ?

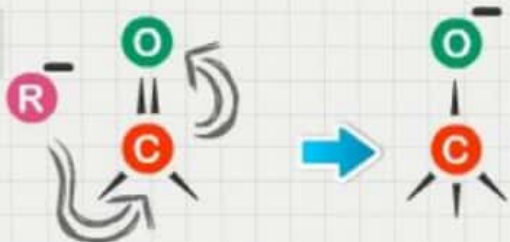
Organo metallic compounds are organic compounds in which metal atom is directly attached to Carbon atom



CHEMICAL REACTIVITY OF GRIGNARD REAGENT

Grignard reagent produces nucleophile therefore it attacks at electrophilic centers

ATTACK ON ALDEHYDES



ATTACK ON ALKYNES



REACTIVITY

Carbon has high electronegativity than Mg.
So on breaking this bond Produces a C^- nucleophile

