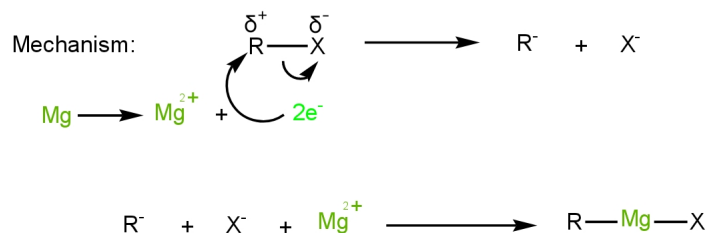
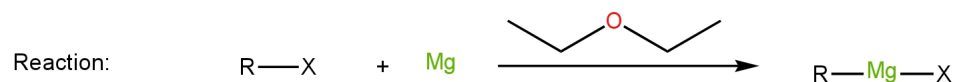


# Formation of Grignard's Reagent

## 1 Reaction and Mechanism

Formation of Grignard's Reagent



KingDraw

## 2 Reaction Observations

- $\text{C}^-$  and  $\text{C}^\bullet$  obtained as intermediate.
- $\text{RMgX}$  is also known as Organometallic Compound due to  $^{12}_6\text{C}$  metal bond.
- $\text{ROR}$  for  $\text{RX}$ ,  $\text{RI} > \text{RBr} > \text{RCl}$
- Reaction doesn't occur in  $\text{RF}$
- Dry  $\text{Et}_2\text{O}$  or  $\text{THF}$  is used as solvent.