

Organometallics Chemistry

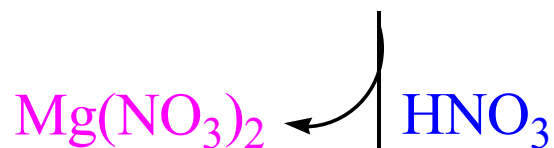
(CHEM-7149)

Online Lectures (OrganoMg)

Prof Dr Abdul Rauf Raza
(*Professor of Chemistry*)
Institute of Chemistry
University of Sargodha, Sargodha

Activation of Mg Metal

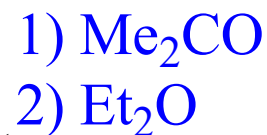
Corroded Mg ribbons (Core of Mg, coat of Mg_2O)



Acidic & Wet Mg Metal

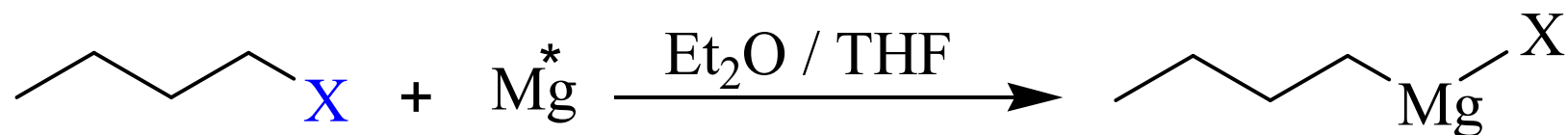
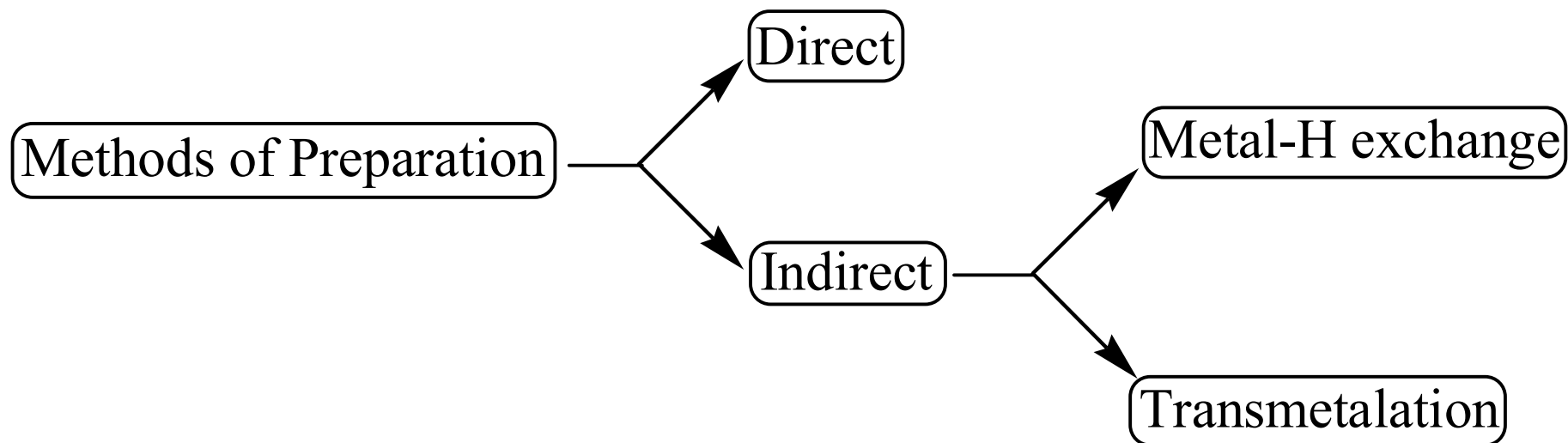


Wet Mg Metal

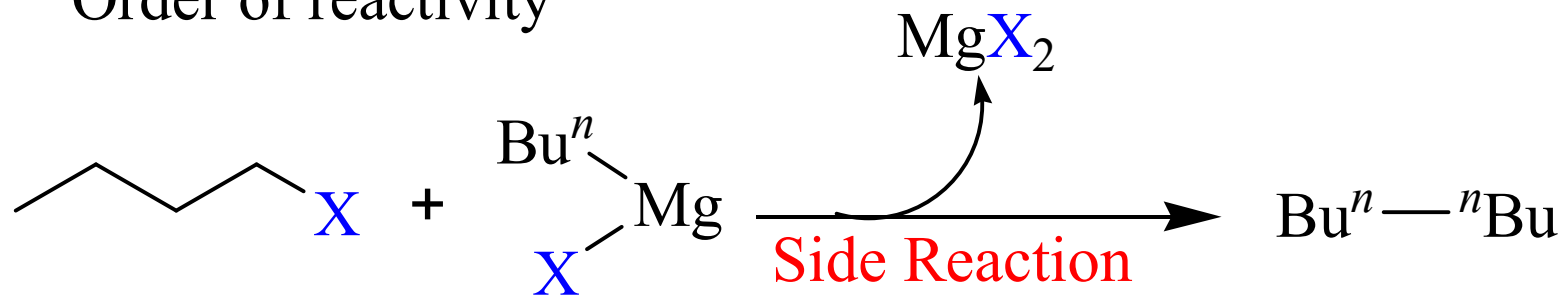
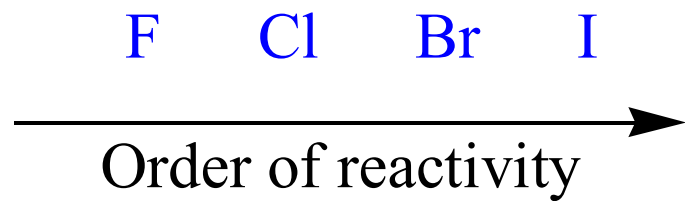


Pure Mg

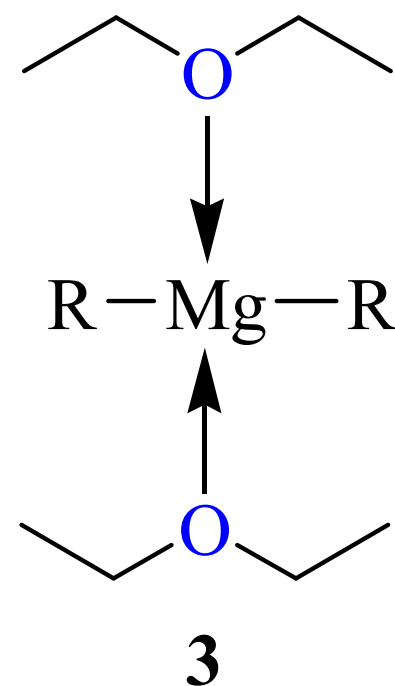
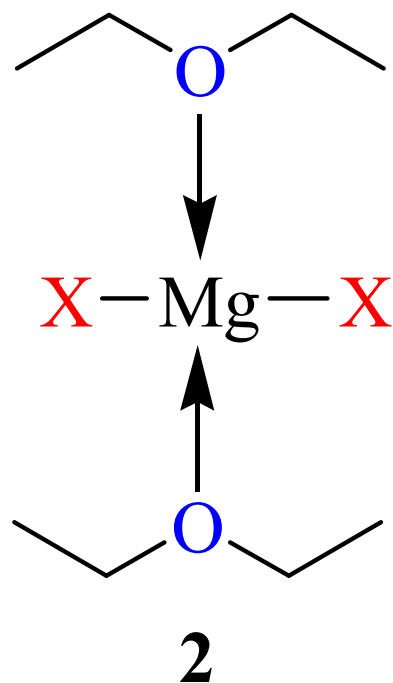
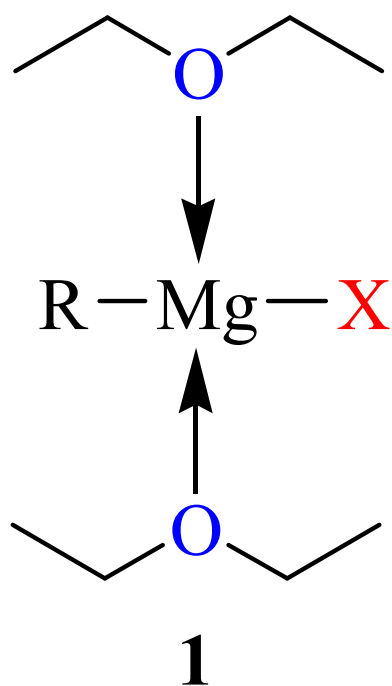
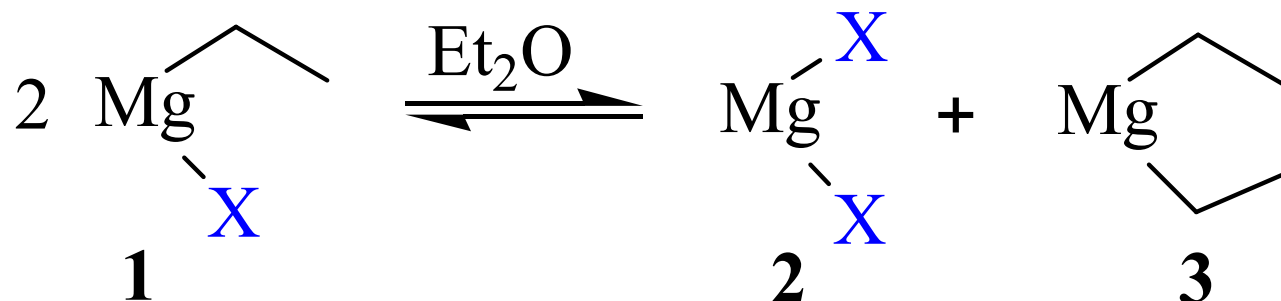
Methods of Preparation of Mg



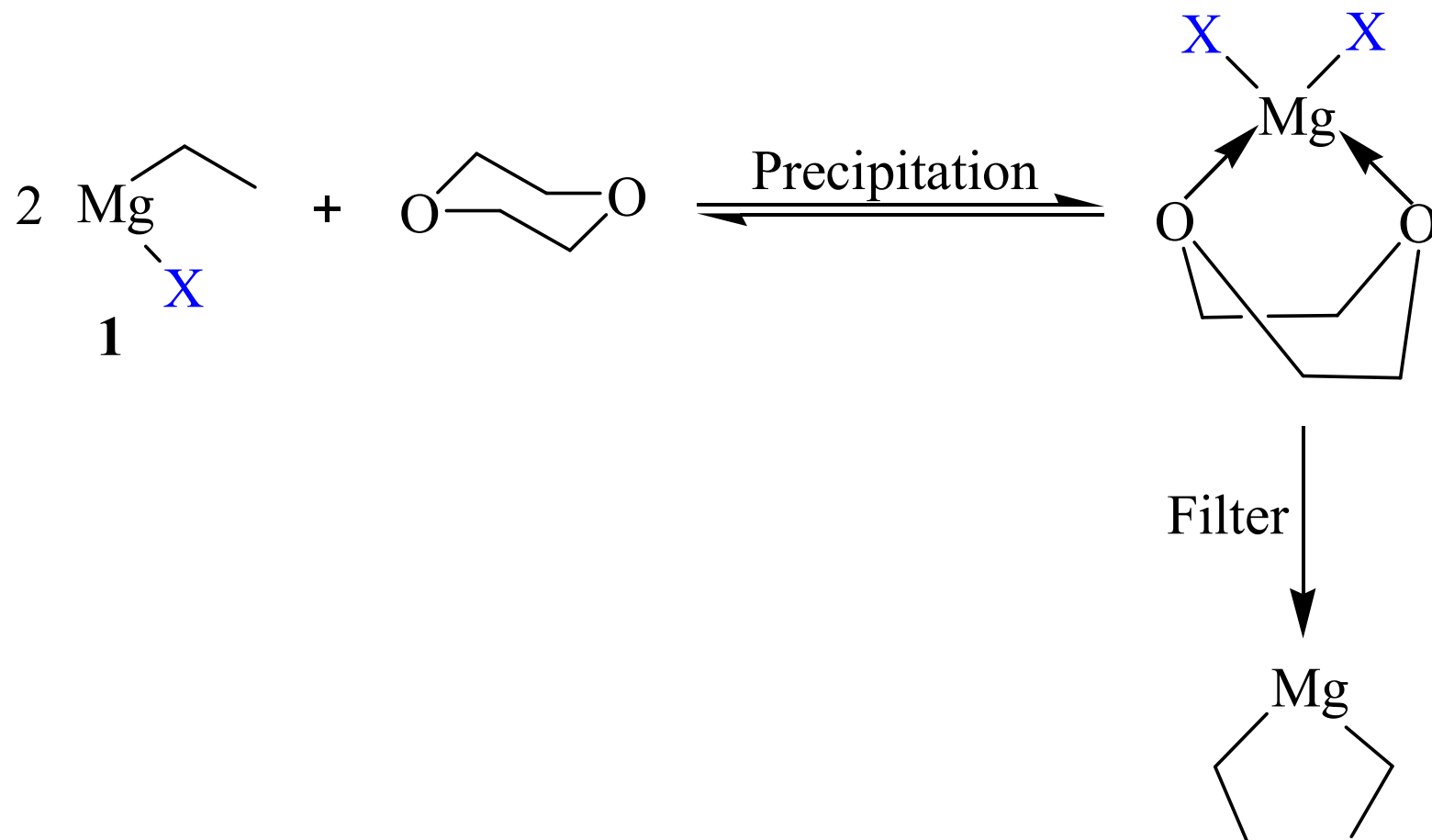
$\text{X} = \text{Cl, Br, I}$



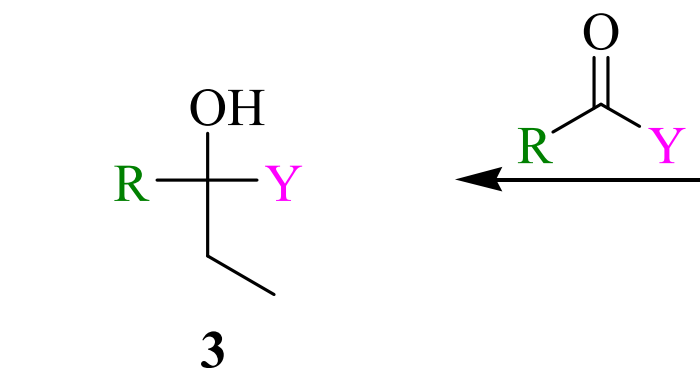
Schlenk Equilibrium



Schlenk Equilibrium



Synthetic Applications



$\text{R} = \text{Y} = \text{H} \longrightarrow 1^\circ\text{-alcohol}$
 $\text{R} \neq \text{H}, \text{Y} = \text{H} \longrightarrow 2^\circ\text{-alcohol}$
 $\text{R} \neq \text{H}, \text{Y} \neq \text{H} \longrightarrow 3^\circ\text{-alcohol}$

