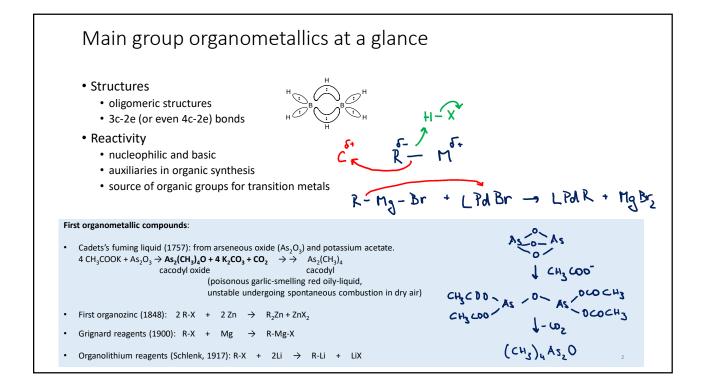
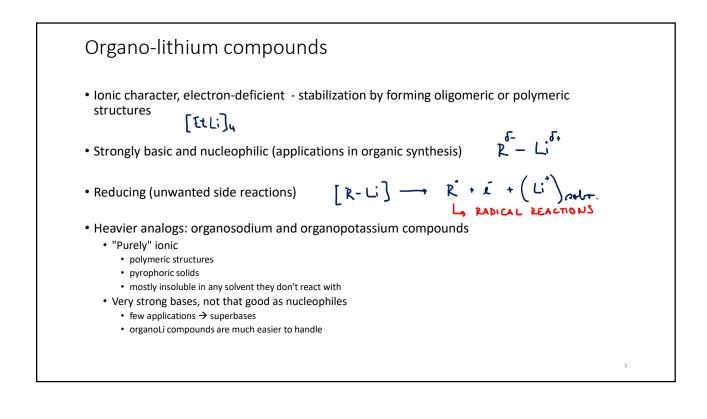
## Main-group organometallics

Reading: Bochmann: Organometallics and Catalysis

Chapter 1 (1.2: pages 1 – 27, further reading: 28 -80)





## Organo-Mg compounds

- Like Organolithium compounds, but milder
- · Ionic character, electron-deficient
  - oligomeric or polymeric structures
- Basic and nucleophilic
  - Mg: applications in organic synthesis (Grignard reagents !)
- Reducing
  - sometimes unwanted side reactions
- Organo Be: extremely toxic, not used
- Organo Ca, Sr, ... compounds: ionic, insoluble, not used

