Selectivity: Reductions and oxidations

- 1) Chemo selectivity => which will reach?
- 2) Regio selectivity => where venil?
- 3) Steven selectivity

Co Paracetamol

Reductions

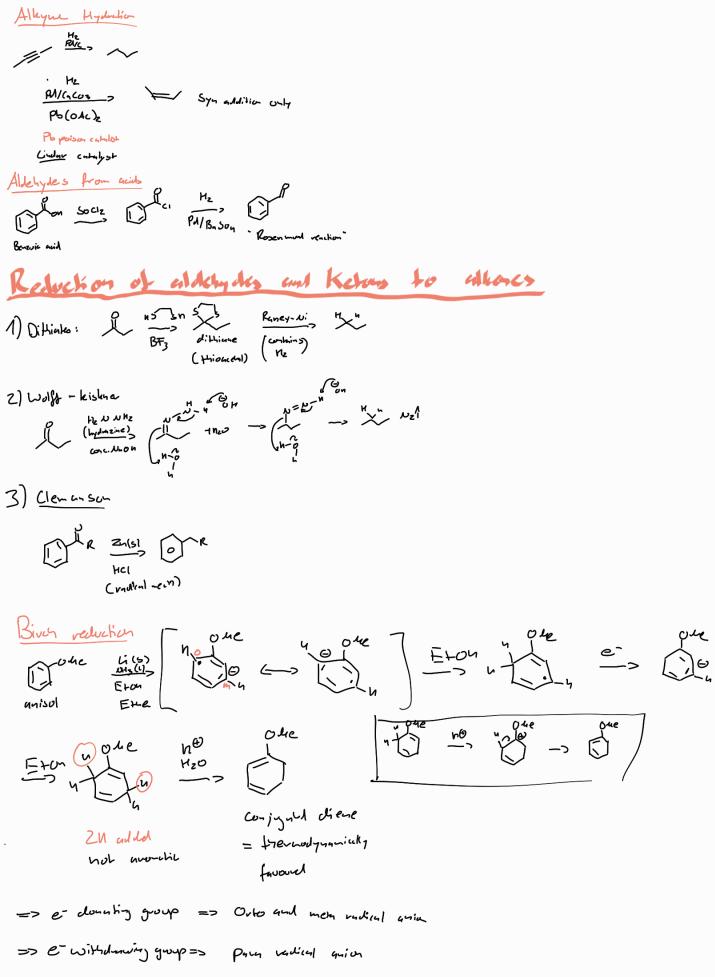
Rule of Thurs: use mildest agent possible! => gives Chanoselectivity

Alderydes & keetons

Esters

less reachive

=> Alternatively Ci BHy = less reactive



Dissolving metal vaduction at alynes

14(5) 12/15(1) E+04

anti addition

Oxidations and crewselectivities

Shiple

Charocharage

Charocharage

Charocharage

Charocharage

Charocharage

Charocharage

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Charocharage

Charage

$$\frac{H^{\oplus} \text{ abstraction}}{\text{Ch}} = \frac{C^{\circ} \circ \circ}{\text{Ch}} = \frac{H^{\circ} \circ}{\text{Ch}} = \frac{H^{\circ} \circ \circ}{\text{Ch}} = \frac{H^{\circ} \circ \circ}{\text{Ch}} = \frac{H^{\circ} \circ}$$

Other oxidasty

KMnOy oxidises albehols: ~ on -> ~ or or of or o

None Coz Cox

+ Hoo Oy -> OM (Jones regards)

-> Only Alderyde not acid

10 albert -> alletyde

1) PCC can oxide to addresse if enefoli

Sufer alternatives

2) NMO + TPAP NMO = OF ME

Stockerouse

NMO

Regenerates