

Synthesis of Aldehydes and Ketones

Alcohols

Oxidation

Preview from Notesale.co.uk
Page 1 of 21

Alkenes

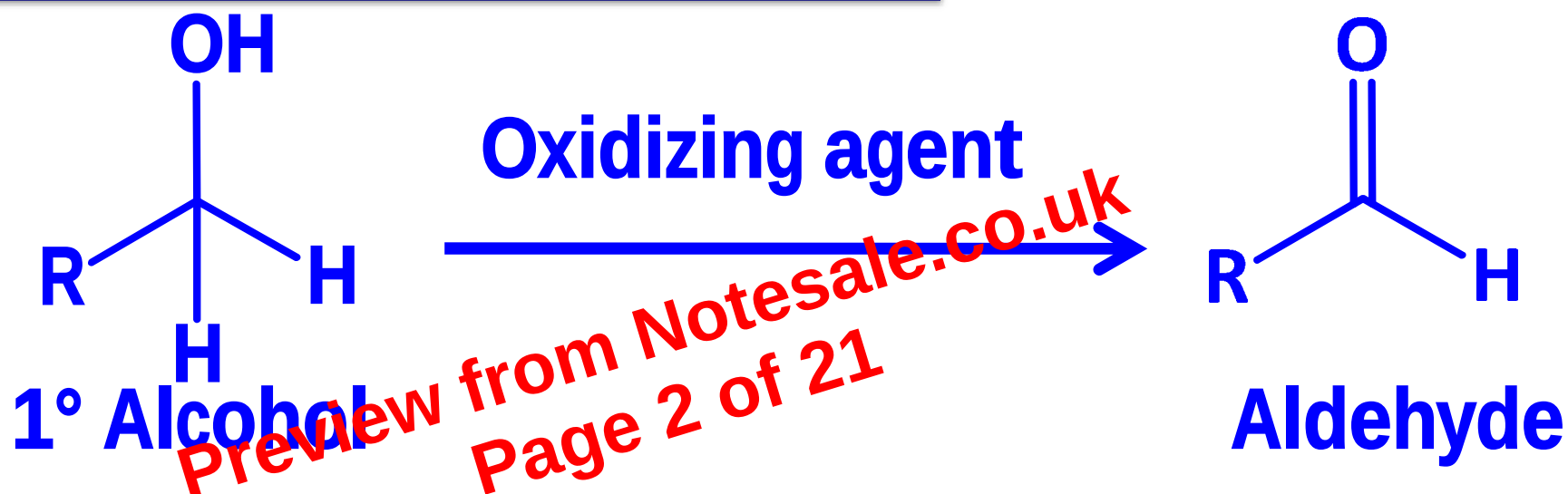
Oxidative Cleavage

Aldehydes and Ketones

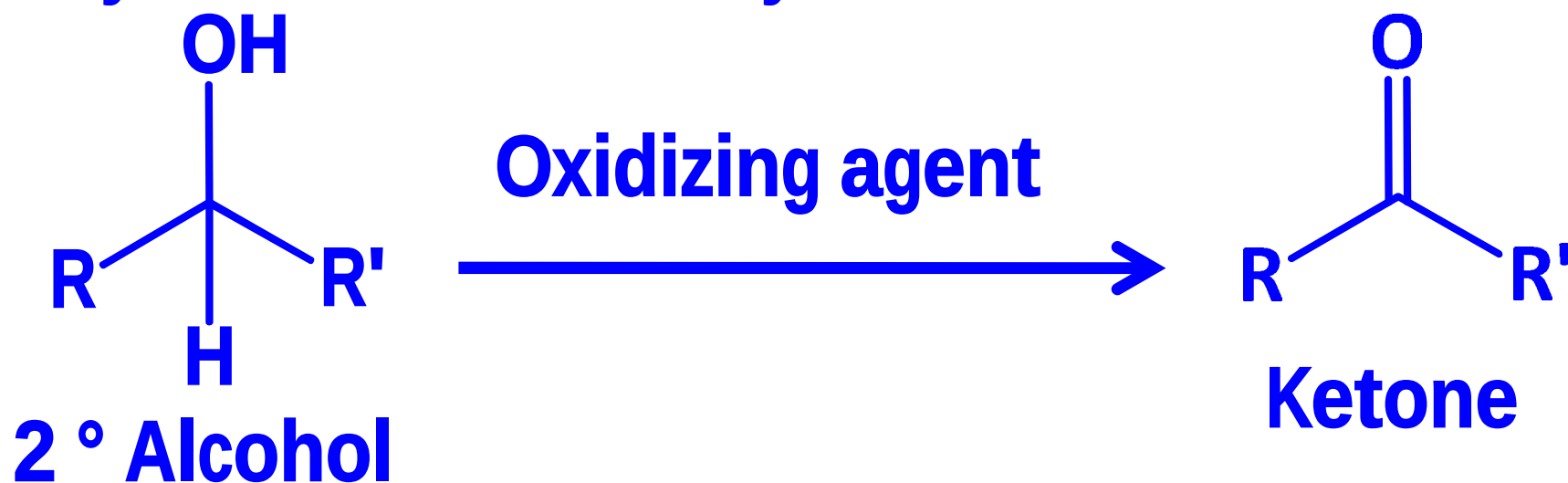
Hydration

Alkynes

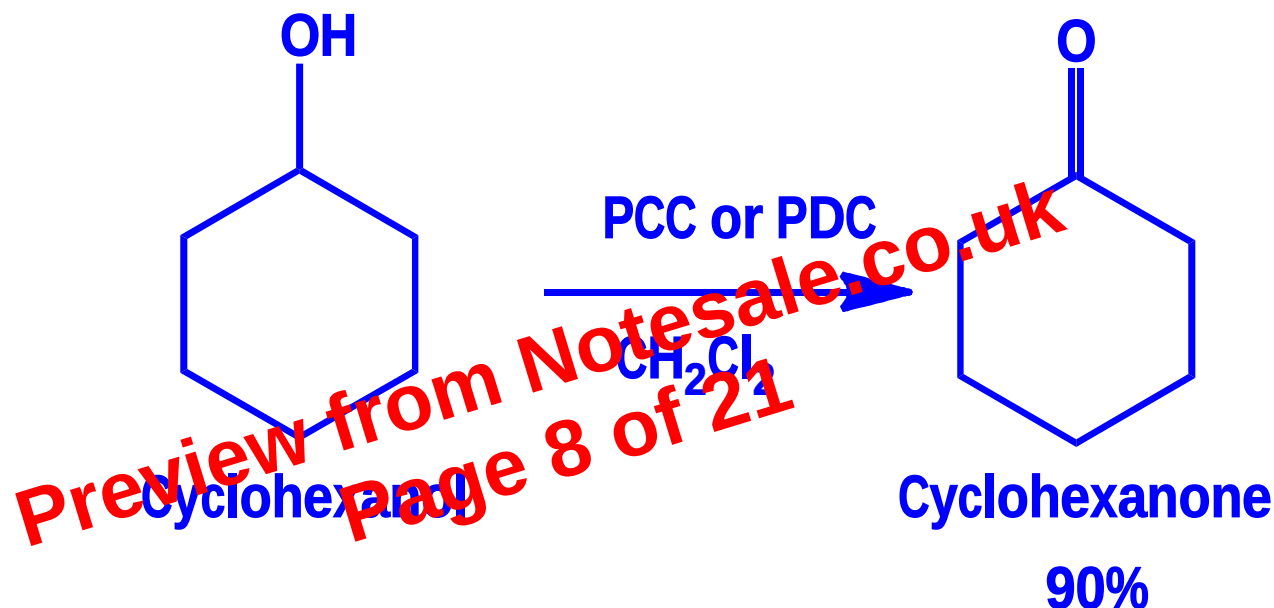
I. Oxidation of Alcohols



Oxidation of a primary alcohol to an aldehyde requires careful selection of an oxidizing agent, since they are easily oxidized to carboxylic acids.



PCC/PDC also oxidizes a 2° alcohol to a ketone



Tertiary alcohols cannot be oxidised (no carbinol C-H).

