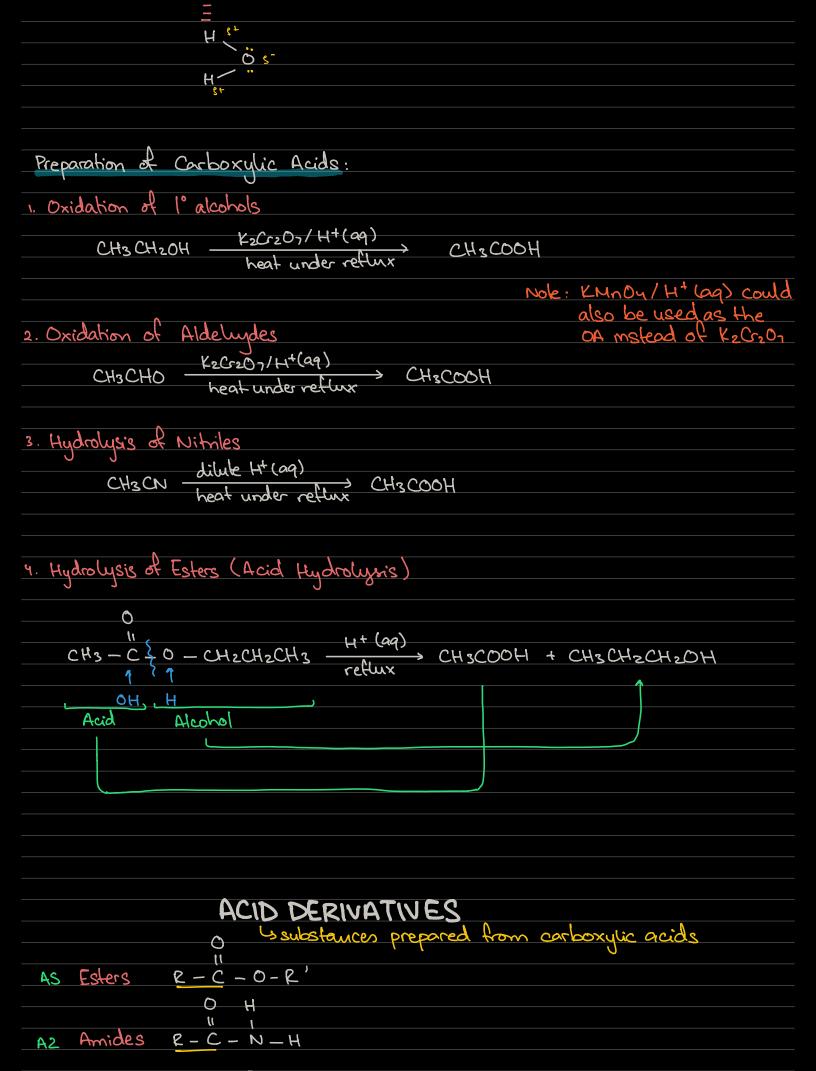
CARBOXYLIC ACIDS: ORGANIC CHEMISTRY		
General Formula: Cn H2n+1 COOH		
Physical Properties: ! R-C-OH O		
1st Acid Methanoic Acid H-C-OH		
2 nd Acid Ethanoic Acid CH3 - C - OH		
CH3COOH or CH3CO2H		
States at RTP:		
1 corbon — 9 carbon acids → liquids		
> 9 carbon acids -> while crystalline solids		
They show strong intermolecular H bonds		
Ethanoic Acid exists as a dimer due to H-bonding between 2 ethanoic acid molecules:		
St. O: 111111111 H - O		
CH3 - C C CH3		
"\$- \$+ \$-		
Ethanoic Acid Dimer, Mr = 120 aka. Glacial Acetic Acid		
4 fine, ice like crystals		
J., 22		
Solubility:		
· lower acids are very soluble in water as they can form H-bonds with		
water .		
· solubility decreases as number of carbons increases (upw forces start to		
dominated		
9-		
CH3 - C - O: Hs+		





ESTERIFICATION :	MICHUNG + ACIDS
	1001100