Bacterial Oxidation		> Aceto boder	Olympeylparic
	not is oridised by bo	quiva inthebus	nce of longgen into adulute Solution
C2 H5OH	oxpen.	CH3(00H+1	H ₂ O
ettanol	oxiben. > opuables:	c multote Acid.	
This also explains both to been	and wine that companies	about us ethonol to	are som ouzharding this is becau
budgial exidation of dilu solution of ellianoic acid	ute solution occurs co	nverting adilute	o adation of equalinto a dilu
3) Esterification			
It is a process in which a	n allohol reacts with a	an acid to formed	er and woiler.
Alcohol + Aci	d ==== Este	n t wader	
Functional Group of Esta	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
	Con be alky	> This R can only	y
	or hydrogen	be alkyl and never t	Hin Eders
Characteristics of Es			lyou speed whitele posess work
Reversible reaction		- Handing the	my tion mixture Could was rather
Nertherm reagion of th	P	ett 11 poden –	o cogality (court infairthead)
		- It acts a	sa codalyet
		- So-that dh	remove mode by absorbing thereby

Namingrob Esters accid alcohol CH3COOCH3 formula of ester has two parts: 1) And part of ester -> (noate) ending 2) Alcohol part of ester -> (yH) ending. CH3 COOH > HOCH3 Ethanoic Acid Methanol ethyle methanoate so the name is (Right to left) Solerived from Acid Methyl Ethonood C3 H2 CO OC3H2 4 COOCH3 butanoate | 1000pyl Methyl Methoroate budby/propulage CuHqCOOC2HS Cyphle beujanoaye. In estendication Acid looses OH and Acid loses H. And this H and OH makes water. In curriting the ester write the acid part first, followed by the alcohol past but from the exygen end. -> Product Ethyl Ethanoate > Acid part Stanoic Acid L> CH3 COOH ethonol C2H5OH

displayed formula H-C-C-C-C-H + H-O-C-C-C-H Condensed CH3. CO2. CH2 CH3. Cn Hants Methyle Methonoole Methanol Methanocale. MethanoicAcid Cordensed H.CO, .CH3 Ethyl Methoroate H-C-O-H + A-O-C-C-H+ P condensed H. CO, CH2. CH2

Butyl Propanoats

Name the Alashol and Acid required to prepare the following esta

Thepart of the esteratter breaking has -c- is the Corboxylic Acid
The Other will be the alcohol

CHB.
$$COC \cdot CH_2 \cdot CH_3 \rightarrow H-C-O-C-C-C-H$$

methanol proponorcoad

2> It's insoluble in under

3-> Nuetral to litmus

-> Artifical Flavours and exeme

-> Used as solvent in medicine

Uses of Esters

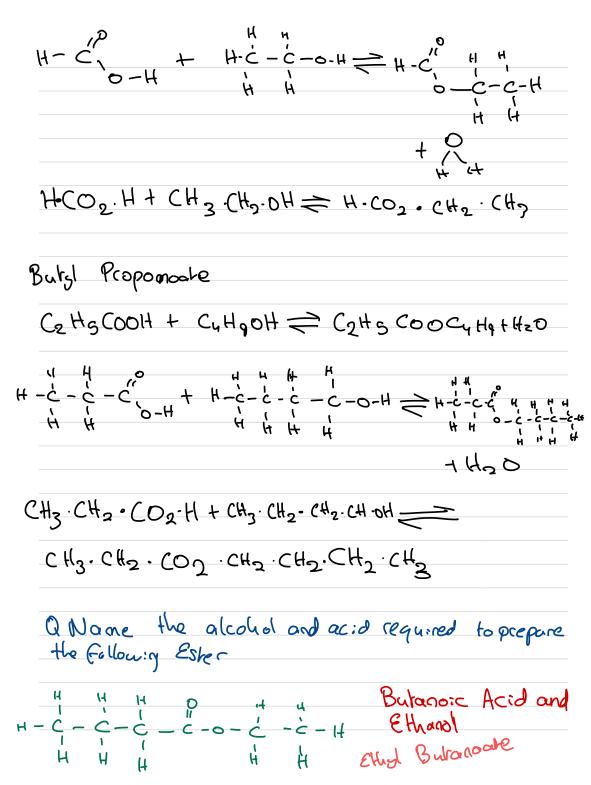
-> Manufacture perfunes

1) 9002 Krish Lague < 1

Characteristics of Estectication
1) Reversible REACTION
How would you speed up the process of
E & reciticalizant
By hearing the reaction Minture - use refluen condenser of necessary
reflux concluser : F recessory
- De adding a Caraign
QName the Catalyst used in the process of Exterification
Few drope of concentrated Sulfur, eAcid.
Q what is the function of concentrated sulfuric acid in Esverification?
sulfuric acidin Esverification?
- It acts as a catalyst - It acts as a delightating agent, removing water, favouring the forward reaction - It absorbes writer theselve descension
water, favouring the forward reaction
- It absorbs water thereby decreasing
rate of the backward reaction and the
- It absorbs water thereby decreasing rate of the backward react: on another increasing the yield of the Ester.
Naming of Esters:
Formula at Ester has 2 parts
Naming of Esters: Formula of Ester has 2 parts 1) Acid Part of Ester (-noate ending) 2) Alcohol Part of Ester (-yl ending)

alcohol acid
ethyl Methanocle
CH3 COOCH3 Methyl & thanoute.
CH3 COOCH3 Methyl & Hanoute.
Echo Co Co co co co co la
Ester naming is right to left
C3 H7 COO C3 H7 Buronoall Propyl -> Propyl Buronoale
Buranoal Propyl -> Propyl Buranoate
V C 0 - 2 1 1
Methonocie Methyl Methonooto
Methonocle Methol Methonooti
Cylla ColoCatts Pentanoale ethyl -> Ethyl Pentanoale
Pentagone 2thal -> Ethal Pentagoate
, , , , , , , , , , , , , , , , , , , ,
In Egrecification,
- Acid loses OH
· They It and OH makes water.
· In writing the formula of the Ester,
wrive the acid part pirst followed by the alcohol
part but from the onggen end.

ethyl Ethonoate Lo Ethanoic Acid: CH3 COOH CH3COPH) + C2H50 (+ = CH3, COO C2H5 + H2O CH3. CO2 . CH2. CH3 methyl methanoale HCOOH+ CH3OH = HCOOCH3 +H20 H-C(0-H H-C-0-H + H-C) H-C(0-H+H) H H. CO2. H + CH3. OH = H. CO2. CH3 + 1120 ethyl methanoole HCOOH + C2Hg OH => HCOO C2Hg+H2O



-c"- Part after division having -c"is going to be the acid port. Butano: C Acid and Propan - 1-01 14.00a.CH2.CH3 Methanoic Acid and Ethanol a CH3 · 00 C · CH2 · CH3 Propanoic Acid and Methanal

LAB Proporcion of the Estres Ethyl Ethanoode
Ethyl Ethanoote
USES OF ALCOHOL8
OSS. OF MOHOLO