Puna	chional group:	- C - O - H
	ce; on:doution of Al Hydrolysis of	cohols Esters
ا م	ane formla 4 l	Phys:cal stale of the following
	Melyano:c Acid	Bukeno z Aciel
M. (-	Hacoa	C4H802
E.F	H202	C2H40
D.F	H-c"0-H	H-C-C-C-C-H
CF	H.CO2.H	CH3.CH2.CH2.CO2.H
State	(C
Phy	s:cal Properties	of Ethano: c Acid:
- Coloudess (:quid - Soluble in water		

* Sour tast
- Ag solution conducts electricity
· Shorp Puggent odour. (Vineger Smell)
- Ag solution conducts electricity Shorp purposer odour. (Vinegor Smell) pt value less than 7
All Carbonalie Acids are
a) weak Acids (because of low degree of dissosciation)
b) All monobasic acid-1 molecule can only produce 1H
All Carbonylic Acids are a) weak Acids (because of low degree of dissosciation) b) All monobasic acid - 1 molecule can only produce 1H CH3 COOH => CH3 COO(aq) + H [†] (aq)
Chemical Properties of Carbonylic Acids
N Reaction With Na K Ca Ma
$246204 + 62 \rightarrow (462) = 346204$
Calcium Methonoole
1) Reaction with Na, K, Ca, Mg 2 HCOOH + Ca -> (HCOO)2 Ca + H2 (g) Calcium Methonoche 2 C3 H7 COOH + Mg -> (C3H7 COO)2 Mg + H2 (g) Magnesium Butonoate
Magnes: um Butanoate
2) Reaction with Base
HCOOH + NaOH -> HCOONagt H2O(1)
2HCOOH + GO -> (HCOO)= (a + H2O(1)
2C3H7COOH + PbO - (C3H7COO)2Pb+H2O
3) Reaction with Carbonale
Acid + Carbonate -> Soult + CO e + 1/20

2HC00H + Mg CO3-> (O2+H2O+(HC00)2Mg
2C3H7(00H + Ca(03) (C3H7(00)2Ca + C02+H20
Owrik down the formula of the following. 1) Magnesium Proponante - (C2H5COO)2Mg 2) Potassium, Methanoate - HCOOK
1) Condensation Reaction à A reaction in which 2 organic molecules
Join regetter with the elimination of an small melecule such as water.
2) Condensation Polymer. Artion: A reaction where 2 organic molecules called Monomers join together in a condensation reaction
with the elemination of a small molecule like water.
Linkage: 1) Ester Linkage: 1/0 E.g.: P.E.T - C_ O (several Ester linkages) A polyester. Synthetic means
2) Amide Linkage: NHCO Protein H