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	25 - Cariboxytic acids and acyt compounds.
(0-1)	Compare acidic nature of carboxylic acids, phenol and
	alcohols.
>	CARBOXYLIC > PHENOL > ALCOHOL
×	Acids
	Most acidic. Least acidic
	$R-COOH \Longrightarrow RCOO^- + H^+$
>	The carboxylate ion is stabilised by the delocalisation
12 N 100	of electrons around the coo group so the negative
	charge spreads out. over the -coot group.
	J. J. Comp.
, ,	In the phenoxide ion, the oxygen is still the most electronegative
	: it's less acidic than - coot.
*	Electron withdrawing a groups weaken the OH bond
	forms a stronger acid.
(Q-2)	Compare hydrolysis of Acyl, Alkyland Aryl chlorides
>	Acty Acyl chlorides (R-coch) react vigorously with cold
	water.
	Alkyl chlorides (R-a) and Anyl chlorides (5-a) done
	Heact with water because the lone pair of electrons
	on cl becomes part of delocalised electrons in the
	benzene sling.
	7
>	filkyl Chlorides neact with NaoH but Acyl chlorides are
	1,090 1,000 000
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Q=3)	more reactive because the	Carlbon atom is more electropositive
	because of 2 electron wit	travawing groups.
-	*	
		SOUTH .
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