OF STUDIES ai) The process produce soap from fat and acid called saponification  $\left( \right)$ Soap is highly polor and so can "stick" to many different cubstances. Also, it breakes the viscosily of water. Therefore grease can be easily remove in soap water. It has many contribute to the society. b) 502=06 mel L'  $S = 52.07 + 0_2 = 16x_2 = 64.07g$ 012= .05 mol L' 3Zg =64.07+16 = 80.079 $SO_{7} = \cdot O4 mol L'$  $50_{7} + 0_{7} = 50_{3}$ ≥ 80.07 64.07 + 32 =

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 $\frac{(c\chi_1)H_2SO_4 + H_2O}{H_2O^2 + H_2O} \xrightarrow{H_2O^2} H_3O^2 + H_SO_4^2$ (ii) & Oxidising agent H2SO4(4) + 2H+ + 2e -> 2H2O(+ SO2(4)) + SO2(4) Dehydrating agent Acted to obtain water. Heat with H2Q, + CO (3) Precipitating sulfates \_\_\_\_\_ Hasoy + Masoy ->

i) Haber process AHA +H2 =  $N_2 + 4H_2 = 2NH_4$ Add N2 to H2 in 9 closed system to form NHY ii) the equilibrium was er analysed by adding casalyst. Increasing pressure at low temperate temperature. to increase the NHq. qualit. Forward & reverse reaction were equal (reached equilibrium) shows qualitative analysis.

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e)	Sodium	hydr	oxide	is	Gn	impo	rtunt	comp	and in	todu	y's soc	i'ety.
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in	the	proch	retion	ot	ci h	iost	of	other	chemi	al con	up ounds,	
Th	le me	runi	cell		produc	tion	rieth	od f	for pr	oducing	NaOtl	Ì S
yr	raelvally	þ	eing	phas	ed o	ut (	due	to (	environn	uenta	(UNC LM	s r
pri	imarily	the	leul	euge	0+	۵	ргора	rtion	ot n	ruciny	into	local
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