Start nere.
a). It is an electrolysis cell. By
performing an electrolysis reaction on
brine (concentrated Salt water) Sodium +
that chlorine ions are release.
Nacl -> Nat + Cl
The Sodium then reacts with water
to produce Sodium hydroxide.
Nat + H20 - NQOH + H+
The hydrogen & Chlorine are pumped
out So only NaOH remains
and it can then be collected.
(Also Sodium ions gother the ot
the Cathodi (regative) terminal, and
Choine of the anode (positive) terrinol.
b). Molten Sodium chloride electrolysis
only has Sadium & Chibrine present
So it is easier to control what
the sodium & chloring react with
I thus is best used for the
collection of elemental Sadium + Uhlbride
ions. NaCl -> Nat + Ci
CIT+CIT > Cl2
Aqueous sodium chloride electrolysis
is more suitable for Wath production
as the Sodium one Seperate from

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	hyde					
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				[O.8] <sup>2</sup>	$3$ $^{2}$	
c).1.	$K = \frac{C}{Cso}$	72 [ 17	K	$= \overline{[0.87^2]}$	[0.47	
		2 ] [ ]				3 4
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tart here.	
d) 1. It is an	emulsification reaction
where A =	
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e.g. A cetic acid	I dive od.
the Pour oil +	oulid into a bealer
in Small amount	constartly +
strongly mixing Ce	electre mixer). once
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precautions are or	lepen dant on how
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Solvay process	it provides the
	Sodium corbonate
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2	the corbonate con.
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may (not nessicany) occur of timestone
is removed from hipporting earth
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but realistically the ends justify
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