ELECTROLYSIS I

N/	ME		Section
1.	a.	Write the chemical equation for the industrial preparation of $\operatorname{Cl}_2(g)$ in the absent	ce of water.
	b.	Write the chemical equation that describes the reaction that occurs when NaCl water.	is electrolyzed in
	c.	Explain why different products are formed in the electrolysis of NaCl(1) and NaCl(1)	Cl <i>(aq)</i> .

- d. Predict the products when the following solutions are electrolyzed between inert electrodes.
 - i. $Na_2SO_4(aq)$

ii. CuSO₄(aq)

iii. KI(l)