

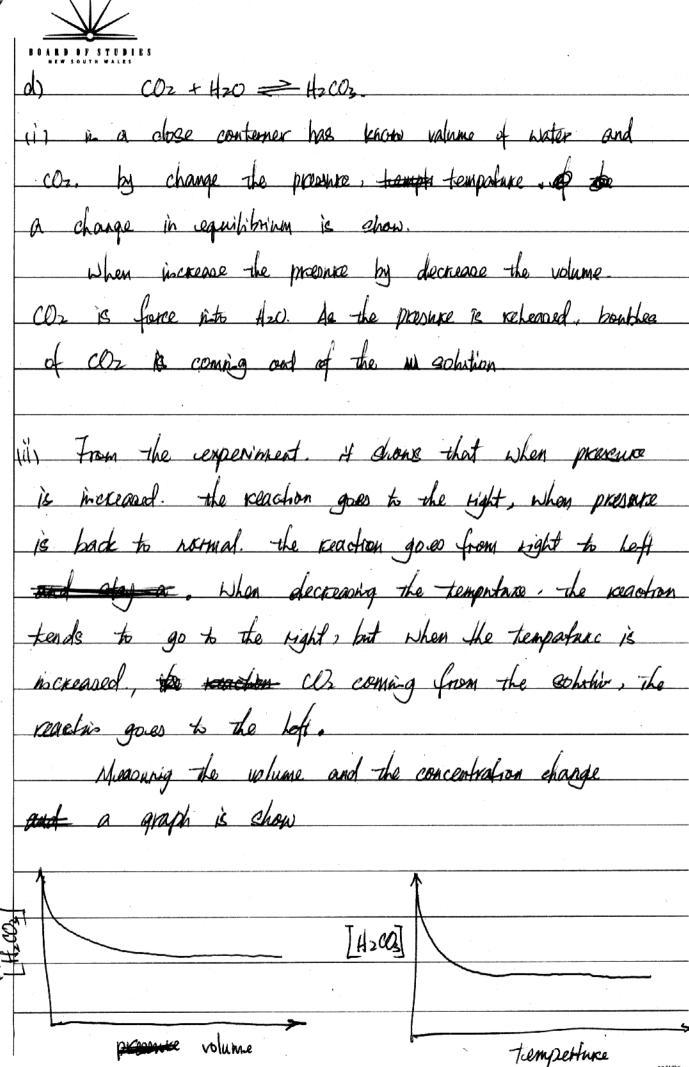
009 50



	C.D when sulfuric acid is added to the water because
	suffer the reaction is very exotheremic it repeases so
	much heat that there is a chance a molecular
	sulfunic acid is ionised
	H2SO4 00 + H2O00 + H3O+ + SO42-
	in dilute sulturic acid
	This is also because mader molecules is tred up as
	Therefore, due to lock of water,
Ó P	27. hydrated 101 H2SO4. H2O. so the sufferic acid
	indecules ionise a release large amount of heat
	in the process
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9	ii) Sulfunic acid acts as an dehydrating agent as it
	ii) Sulfunic acid acts as an dehydrating agent as it oxidises Cu to Cu2+ and produces SO2.
	Cucs) + 2HSO4 + 2H+ -> Co2+ + SO4-2+ SO2+21+20
	Sulfuric acid acts as a denydrating agent water
	in dehydrating ethanot to form ethene.
	3C2HSOH (1) -> 2C2H4(1) AH2O(1)
	sulfuric acid act as a means of precipitating
	IL Pb2+ from lead solution. This reaction is involved
	in read acid car battery which allow to lower the
	conc. of Pb2 & good allow the buttery to give a
	constant a voltage which otherwise would not occur.
	$Pb^{2+} + SOq^{-2} \rightarrow PbSOq (S)$





e) One of the original method is the displaying a glossital displayi

The diaphragm method uses an asbestos diaphragm that allows both OH # CIF ions to pass through it this method has be changed as it wastes reactants alot of protect for an impure product. Also the diaphragm is harmful to humans (respiratory) a triangm avoide 8 a non mesh cathode are used.



The mercury cell, this method gets an amount of products relative to other (50%) it uses a Fe anode # a Hy anode. brine membrane process is now being used instead digplragm method u a cation exchange nenbrane & cations through. This method stops (1 the CT, likewise for the OH as cannot pass through. Tio 9 Fe(mesh) Pefnesh) (Nocl) (NaCI) prine = NaOH + -NaOH Nacl (impriles) 30-40% pure. nembrane digdragm (cation) (asbestos)



This course There changes have allowed
more Yeild to be produced with
less impurities. They are becoming more
safe for hmans to use as Hg & Albestos are
hamfel to himans.
They are also becoming cheaper to make \$
the leftover waste can be recycled.
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