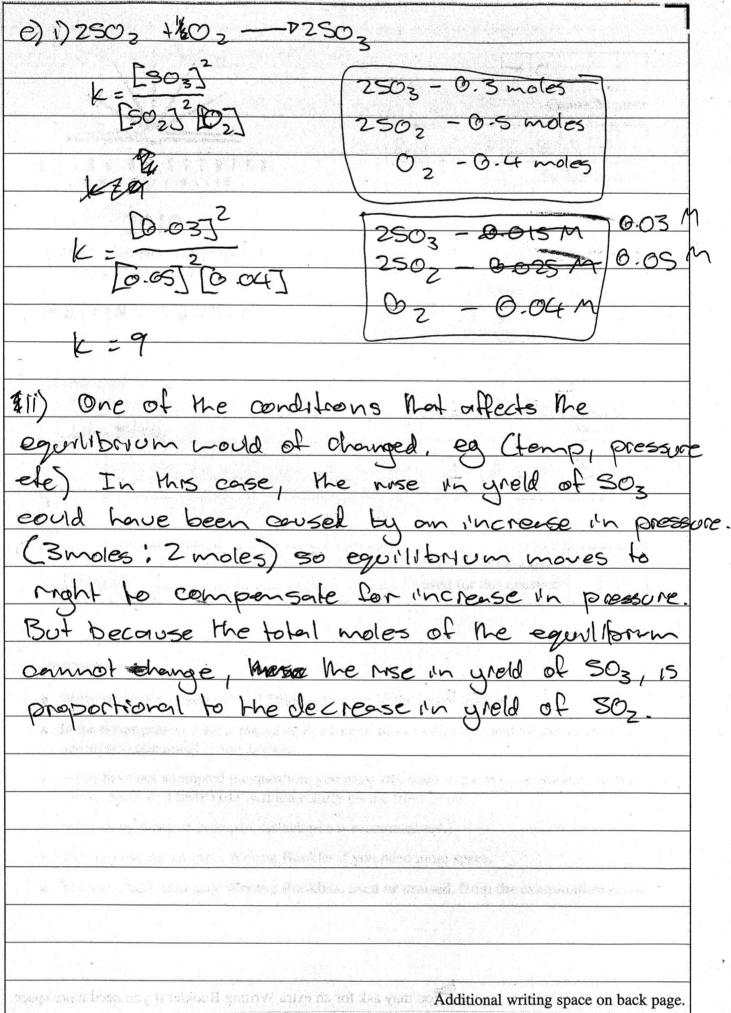
Start here.

a) Mercury Cell.
Borne ENACL) is pumped into the cell Cusually
sourced from Salt mater from the sear, Cheap). The
anode in this cell is mercury which runs down a
small slope as a liquid. The cation is Plutonium
plates positioned chose to the running mercury. Thes cell norts as any coll, and is used
to tolkers reduced used in the production of
sodium hydroxde (NaOH).
Nacy
No Cy No +2CK + OHT + HIZE ROOM +
ZNaCL +ZHZO - DZNaOH + CLZ + H2
b) Molton sodium chloride is electrolysed with
the absense of HzO, & so doesent form
NaOH.
NaCL - Nat + CL
Agueous sodium chloride is NaCL + H2O,
and so forms NaOH, when NaCL is split
into Nat & CL, & HzO is split into
OHT - Stand Ht. stand of A and the wards began as a stand of the stand
ZNOCL + 2HZO -PZNOOH + CLZ +HZ
the state of the s
with the first make the appropriate marking being attractions of them. It was not to be in the continue and the
[



Question 32 Band 4/5 sample 3

Starthera Saponi Cocatoon

A - alkmoner and. Calcoholas

- (ii) By adding an onl (eq olive oil, vegetable oil) with an alcohol in an everposating basin. And the aixfure of catalyst is used (HzSay), and the mixfure is heated untill it turns solid. Goggles need to be nor in to protect the eyes from sprtting substance (acid). Glaves should be nor in when handling the end product, and when combining substances, as ItzSOct is a strong acid. Harr trust be tred back as to prevent it lighting on fire. Equipment must not be touched until sufficient cooling time has passed.
- e) CaCOz 15 an important substance in the production of the Solvay process. Immestance is a good source of CaCOz, and its relatively pure in its natural state. Immestance is an abundant substance on earth, and so its very cheap. However, the process to break dan CaCOz requires alot of energy (heat energy). As nell as this, the mining of limestone can devestating effects on the animonant. During the mining process the top layer of vegetation Cabone the source of limestone) needs to be cleared. This can be huge orients, which may be home to a range of plants and animals. Mot only this,

after mining occurs, the geography of that natural
habortest changes. The mining process & he
transportation of the heavy stone also used alot
of energy, and he can bustoon of fossil
Rets.
Cacoz - P Cao + coz
Orga
Also, Cao can be harmful to the enurronne
It is a maste product in the Sdray process,
and is usually dumped into the ocean or
lakes, which can be deside effect the natura
habitat of these agratic areas.
and the contraction of the second time entered the contraction of the
A CONTRACTOR OF THE WAY FOR THE PART OF THE CONTRACTOR OF AND SHOULD SERVED FOR THE CONTRACTOR OF THE
The same was not in table of gride Windows and the large to Additional writing space on back page.