Start here.

a) Due to the presence and of 1420
\$ Oz with a suitable electrolyte (sea water)
the netal hoops that encompass the bucket
would make large levels of corrosion.
The wood would become regitar cother
as water would note into the
cells & cauce them to block & Great
the cell walls resulting in alecay.
pour source e.g battery
(0,1)
inert graphite electrocles
Beaker
potasium cloride solution
C1-1C+
K(s) -> 16 tog + e - Oxidudeel 2.94V
1/2 Client e - > Clz(s) reduced 1.36 V
1/2 Cli che (Cs) -> K+ Clz cg) = 1.58
i) By 6066 ling of est C/z cg gras
9
,

c) steel II All steels restored are neering they contain different elevents with Iran that give it specific qualities & properties Steel I is list a common Stell with with a large growt of Fe and a small marsh of Carbon making it relatively mailable but with some degree of conson resistance. Steel 7 her a larger percent of Catoon meling it Stiff and strong but to slightly none britishe. Steel 3 consists nainly of iron again but a larger proportion of Cabon & Magnonere & silican this notes the metal stranger in its tensite Steel 4 cossts of von Comun & Ni Hij meles the notal stanley as it is not reseptible to conosion. Additional writing space on back page. Start here.

of von in relation to temperature,

of von in relation to temperature,

otygen concentration & Soilt concentration the

following concentrations can be produced

- Mr Temperature - place a small peace of

iron in a small cup and fill with water

ersung the surface is littled scaled with oich,

- place one cup in the refigeration of 3° C

- place one cup in a cuboard at som temp 25°C

- place one cup water a headt lamp 40°C

- oxyger constration - place a small pere of iron to a small cup, fill one sup with normal tap water, fill the second with nate that has been boiled to remove oxyger and place fill one sup with highly crygerated water.

- Satt concentration - Fill one cap in the iron in H with pure tap water, fill one cup with 3.5%. Satt concentration (Fear water) and fill one cup with 7% satt concentration

- Leave all Samples for 5 weeks and second

ii) The Salt countration of the water could be reduced in a maine envount after percess of heavy rain and fresh water our off into the ocean e) I wooden & copper artefacts that have been innerted in water for at least 166 year would require vanous techniques Incualer to restore & cercive them. The modeln artifacts would be have absorbed lage anosts of He O \$ 1005, to renove these the crefect is placed in a Z%. Nablt buth with is not two concertiated as it destroys he chifact but over time draws aut disolved gases and ions. Copper artifacts can under go electrolytic treatment where a wild price of Still acts as a continue while the copper is the controlle, this helps to renewe corrosion and replace elected Cu fors back to their Solid form. both coppe a telects and wooden atitack indungo lage amounts of washing with from water which done slowly to even no clamage to is done while the wash removed vors Additional writing space on back page. Libstones.

wooden Aefach are often innessed
in a form of napathalon which
is absorbed a Grabel and solvers
in the wood giving the strength and
as. Report. Buth copper to wooden
askefacts can be coat with a predective
wax to stop futhe oxidation \$
decay, this wax is very inovative
as the con be per renoved it
new restoration techniques are developed
In the Fiture allowing for fitter
ingraements in the attelacts.
,
You may ask for an extra Writing Booklet if you need more space.