Start here. Shphotces The wooden bucket would have had copper bracings around it. The movine environment He copper quite sut damaged been He Abres, leading Cuthode Arode C KII K+(ag) + (16) cathode would

Copied from Q 33 ABC Booklet 3- 480 2014808 Openiety O
d) i) Environmental factors that affect
rate of corresion include; pH o' salinity
+ presence of vater (mosture.
Using iron rails, and + test tubes this
expensed can be carried out in a laboratory.
lest 1: p1+
DAII a test tube with an acid, 4 south
+ drop in a rail.
& Rill a test tube with a base, My (0,
or of the area.
Deave each tube for 14 + record ony
corrosion each day.
NOTE: a tube with water should also be
used as a control.
Pert 2: salinity ( cons in water).
O Using salt water (ocean water) RII a
test tube & place a rail in it.
@ Fill pass a fest tube with distilled briter
Chape water can have was in it) + place
a rail in is.
13) Leave each for 14 days + record one
corrosson daily.
Test 3: houter/mosture
O Place a rail in a test tube with no
worder.
@ Place a rail in a test tabe with water
You may ask for an extra Writing Booklet if you need more space.

Start here. 1 leave each for 14 days + record any observations durly. if Ions (sulmity) in the water could be courses on increased rate of corrosion on ships this is particularly harmful Cathodic protection is used on ships to reduce the amount of corrosion due to the e). The seas verson orchor is a wooden crtefact which had been at the bottom of Sydney Harbar Ar more than 100 years. It had endured abot of corrosion due to the salt baker of this time. The cartor was reclaimed in the 19th century of po has able to be restored. The salt ions had damaged the wood Abres considerably + ringing was used for an extended period of time in order to rid the anchor of these was. The anchor is on display at the National Martine mesos mus Sydney. It sits on a mesh to allow poster to drain from it so further do corrosion doesn't occur. It is also Office Use Orby Do NOT write enything, or make any marks below this line.

of ions. This conservation & restoration process has been well implemented + works as visitors con come + admire historica great piece of Australian colefact. The endeavor carrons from Dames book's ship were found off the Croscot Barrier Reef, more than way as after they have thous overboard. They had There been corroded considerably, due to He sult marine and trong kengthy rurany took place to remove All on the commons Electrolysis was used to restore the appear to it's historic state. The comon is worked in us as in mantigher a glass entero display at the Maritime to Museum ercure further corrosion does not occu Vistors are able to enjoy + admire Australia's Lentage because of restoration + conservation techniques used Many He Verron Anchor Endeavor curron as priore examples of wooder apper arefacts which had been immer coaler for at least lasyrs, Additional writing space on back page.

restoration + conservation techniques of
meritime artefacts are very beneficial for
Her sarvival
The state of the s
Electrolyse of copper:
cathode. Cu2+ + Le - > Cu67 Reduction.
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