

29.	BOARDOF STEDIES NEW SOUTH WALES
ai.	Steel is used to construct ships.
	Aluminium is a passivating metal. This means that it forms an oxidising layer on the metal
	through and corroding the metal.
bi.	A metall such as zinc is commonly used as a sacrificial anode.
	Sacrificial anodes are added to metal-hulled Ships so because it's more reactive than the metal underneath. The sacrificial anodes
	react more readily or in prefrence to the metal it's coating, stopping the metal-hulled ships from rusting or corroding faster.
	The salvinie on one is suched



C. Adding other elements to iron can make the iron tes reactive when exposed to exugen or water. The pure the iron is the less reactive it becomes. The uses of it of steel's is that it will make the steel rust or corrode much faster than normal, causing it to be replaced often, which can be expensive. However they do use other elements in iron for steel because they have found ways where the steel can be protected from oxygen or water such as galvanising. This is a much cheaper way for ships. Adding other elements to iron makes it brittle, less manageable, and less resistant to corrosion and rust. The melting point and looiling point papersym becomes lower, and with this it is easier to work with.



di Corrosion is when a metal loses it's mechanical strength and starts to fall apart on the presence of Oz or tho.

ii. Put the different metals you want tested in test tubes then add the environment you want them to be tested in such as just 02 or all H2O. Always have a standard to compare to. Leave the test tubes for a day or two and then see the different votes of corrosion on the different metals under the environments you picked.

Reliability could be improved if you did it a number of times then approximating the procedure.

Accuracy could be improved by using more accurate equipement, or, the metals used are cleaned so as no rust is on them before use.

Also we where you leave the test tubes



so they are not tampered with by other people. e. When an artefact is found in the ocean from a ship wreck it is carefully mamaged to so as not to break it. The artefact is still left in sea water until it's taken to the place where it begins the cleaning process. Upon careful observation, the artefact is left to dry to get rid of the salt from around it. Not all the salt can be removed though, because inbetween the artefacts the Salt still stays. Nex After the drying out of the artefact, electrolysis is used to remove the remaining salt and any water that has formed since the drying out. With the electrolysis it also removes and any other impurities that has been systained on the



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artefact.
The procedure after electrolysis is the
use of chlorination. With Chlorination it
get rid of small particles and bacteria that
form on the attefact. It also helps to
stabalise the ext artefact so no soll or
other impurities form back on the
artefact.
After this the artefact
After these processes, the artefact is
cleaned and put back together so the
public can see the preserved of artefact.
Through these proceduces, it takes many
days for each step.