



## WORKSHEET C - MEMORANDUM

### Uses of Metals

Metals can be spoilt through corrosion, for example rust. People who live near the sea complain that the metal objects in their homes and their cars rust quicker. During corrosion, the iron reacts with oxygen in the air or in water to form iron oxide. Iron oxide is the chemical name for rust.

See if you are able to identify other types of corrosion. Select your answers from the list provided below:

**tarnish**

**patina**

**black spots**

**aluminium oxide**

**iron oxide (rust)**

Description	Corrosion
<b>Example: Reddish-brown substance found on an old cooldrink can.</b>	<b>Iron oxide (rust)</b>
<u>Brass</u> objects look dull and damaged	<b>Black spots</b>
Green coating on <u>copper</u> objects	<b>Patina</b>
Marks found on <u>silver</u> objects, for example teapots, trays, trophies and jewellery	<b>Tarnish</b>
Grey-white coating on <u>aluminium</u>	<b>Aluminium oxide</b>

1. You want to build a small house near the beach. What material would you use for your house: wood or metal? Explain why.

**Answer: wood. Reason: Metal will rust more easily at the beach due to salt in the air.**

**Teacher to use discretion when marking answer.**