EXTRACTION AND USE OF METALS HW2

1 Which metal is used for galvanising?

A aluminium

B copper

C iron

D zinc

2 Which row gives a correct use for the metal stated?

	metal	use
A	aluminium	manufacture of aircraft
B	copper	galvanising dustbins
C	mild steel	cutlery
D	zinc	cooking utensils

3 Which statement explains why aluminium is used to make aircraft parts?

A It conducts electricity.

B It conducts heat.

C It has a low density.

D It is reactive.

4 Iron is extracted from its ore using carbon.

Aluminium cannot be extracted from its ore using carbon.

Which statement explains why iron is extracted using carbon?

A Iron is less reactive than aluminium.

B Iron is less reactive than carbon.

C Iron is more dense than aluminium.

D The melting point of iron is more than that of aluminium.

5 Which statement about zinc is **not** correct?

A It forms an alloy called brass with copper.

B It is used in electrical wiring.

C It is used to prevent the rusting of iron and steel.

D It reacts with sulfuric acid to form a salt.

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6 The uses of aluminium depend on its properties.

Which property does **not** explain why aluminium is used to make the stated object?

	property	object
A	good conductor of heat	saucepans
B	high density	aircraft parts
C	malleable	drinks can
D	resistant to corrosion	food containers

7 A piece of aluminium sinks without reacting when it is added to water.

Which statement explains why the aluminium does **not** react with water?

A Aluminium forms an amphoteric oxide.

B Aluminium has an oxide layer.

C Aluminium is an unreactive metal.

D Aluminium is more dense than water.

8 Which statement about obtaining metals from their ores is **not** correct?

A Copper is obtained from its ore by heating with carbon as it is more reactive than carbon.

B Iron is obtained from its ore by carbon reduction as it is less reactive than carbon.

C Less reactive metals are easier to obtain from their ores.

D More energy is required to obtain a more reactive metal from its ore.

9 Three types of steel have different properties.

steel 1 is easily shaped

steel 2 is brittle

steel 3 is resistant to corrosion

What are the names of these three types of steel?

	steel 1	steel 2	steel 3
A	high carbon	mild	stainless
B	high carbon	stainless	mild
C	mild	high carbon	stainless
D	mild	stainless	high carbon

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10 Which row shows why copper is used for electrical wiring?

	melting point	conductivity	reactivity
A	high	high	low
B	high	low	high
C	low	high	high
D	low	low	low

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