

SMART EXAM RESOURCES
SUBJECT: CHEMISTRY
TOPIC: ELECTROCHEMISTRY
SET-3-QP-MS

ELECTROPLATING

1 A metal spoon is electroplated with copper.

State what is used as:

the positive electrode (anode)

the negative electrode (cathode)

the electrolyte.

[3]

MARK SCHEME:

copper (1) spoon (1) (aqueous or solution) of named copper salt (1)	3
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2 Spoons can be electroplated with silver.

(i) Name the substances used as:

the anode (positive electrode)

the cathode (negative electrode)

the electrolyte.

[3]

(ii) State **two** reasons why spoons are electroplated.

1

2

[2]

MARK SCHEME:

(i)	M1 silver M2 spoon M3 (aqueous or solution) of silver nitrate	3
(ii)	M1 prevent corrosion M2 improve appearance	2