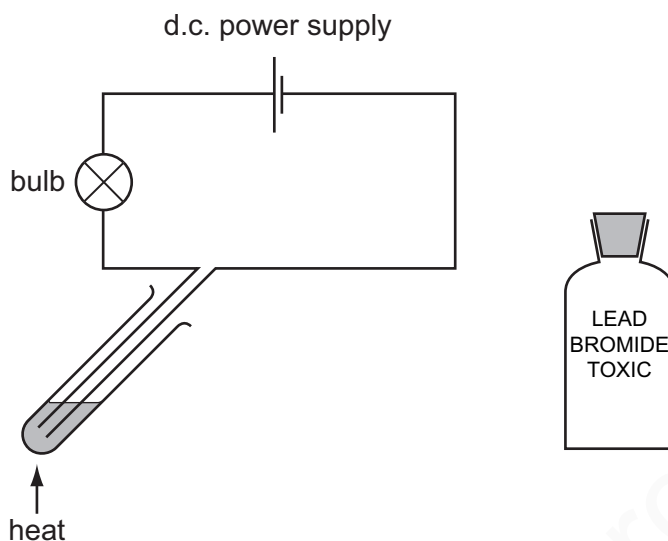


ELECTROLYSIS OF LEAD BROMIDE

- 1** The diagram shows an experiment to pass electricity through lead bromide. Electricity has no effect on solid lead bromide.



(a) (i) Clearly label the electrodes on the diagram. [1]

(ii) Suggest a suitable material to make the electrodes.

..... [1]

(b) Give two observations expected when the lead bromide is heated to melting point.

1.

2. [2]

(c) State two different safety precautions when carrying out this experiment.

1.

2. [2]

[Total: 6]

-----Marking Scheme-----

(a) (i) electrodes labelled correctly (1) [1]

(ii) carbon/graphite or platinum (1) [1]

(b) bulb lights/brownish/red/orange gas/liquid/bubbles/silver beads formed/melts in tube [max 2]

(c) any correct protective clothing e.g. gloves/lab coat (1)

fume cupboard/well ventilated room (1) [2]

[Total: 6]