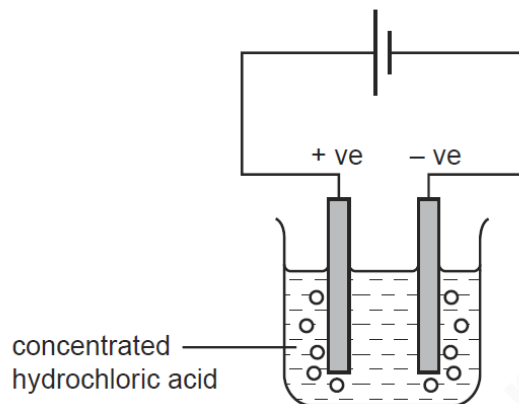


NO:

ELECTROLYSIS OF CONC HCl-SET-1

1

The diagram shows that two gases are formed when concentrated hydrochloric acid is electrolysed between inert electrodes.



Which line correctly describes the colours of the gases at the electrodes?

	anode (+ve)	cathode (-ve)
A	colourless	colourless
B	colourless	yellow-green
C	yellow-green	colourless
D	yellow-green	yellow-green

2

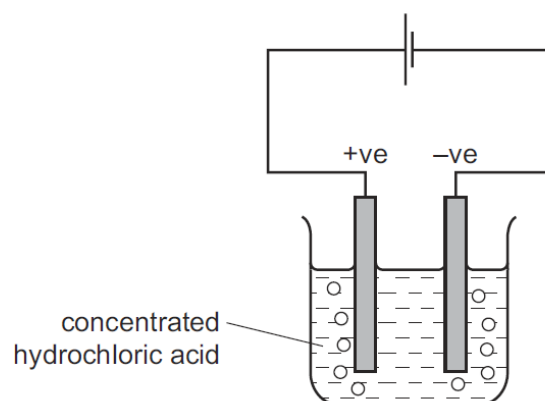
Electricity from a power station passes through overhead cables to a substation and then to a school where it is used to electrolyse concentrated hydrochloric acid using inert electrodes.

Which substances are used for the overhead cables and for the electrodes?

	overhead cables	electrodes
A	aluminium	copper
B	aluminium	platinum
C	copper	platinum
D	platinum	aluminium

3

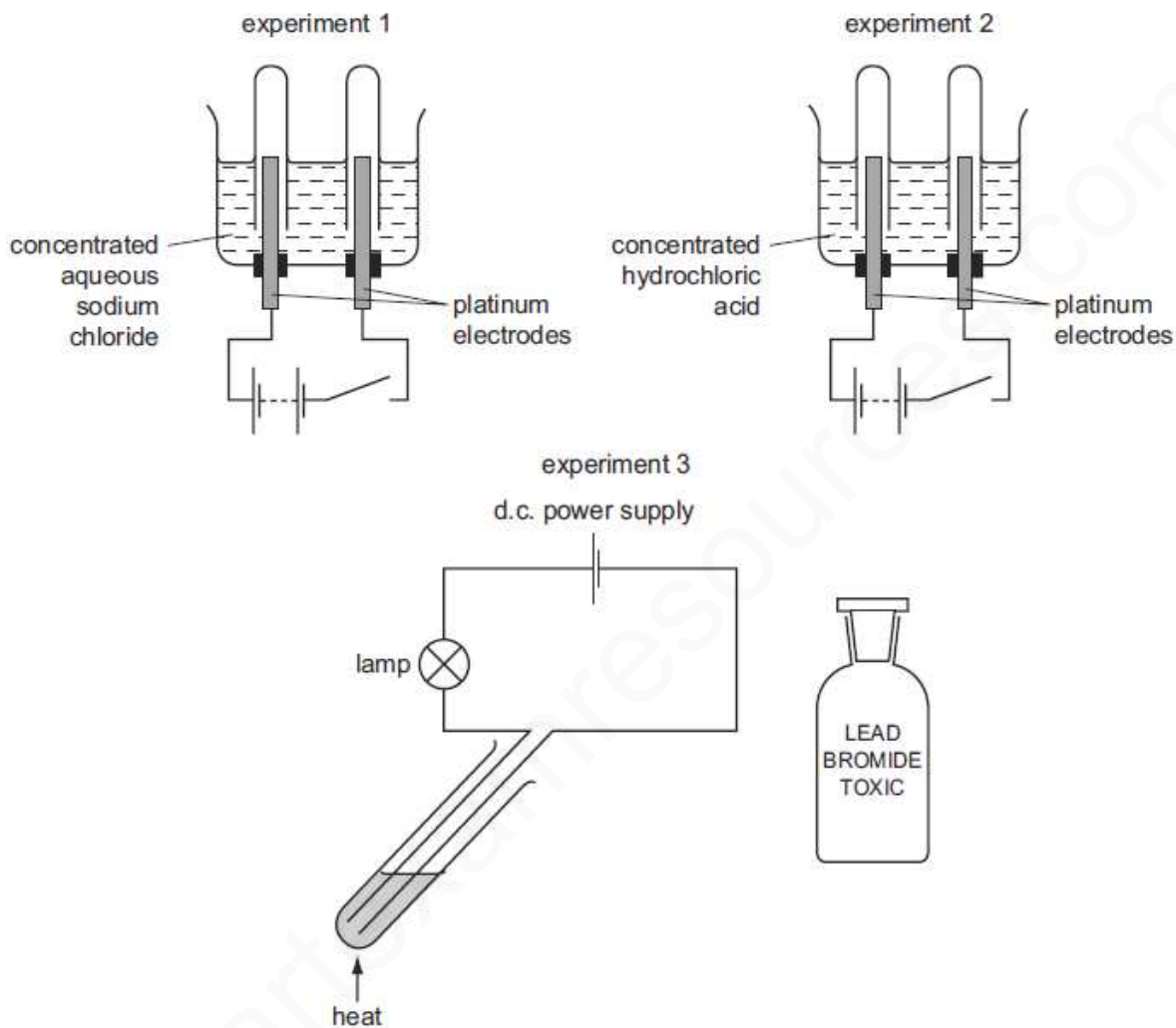
The diagram shows that two gases are formed when concentrated hydrochloric acid is electrolysed using inert electrodes.



Which row correctly describes the colours of the gases at the electrodes?

	anode (+ve)	cathode (-ve)
A	colourless	colourless
B	colourless	yellow-green
C	yellow-green	colourless
D	yellow-green	yellow-green

Concentrated aqueous sodium chloride, concentrated hydrochloric acid and molten lead bromide were separately electrolysed in experiments 1, 2 and 3.

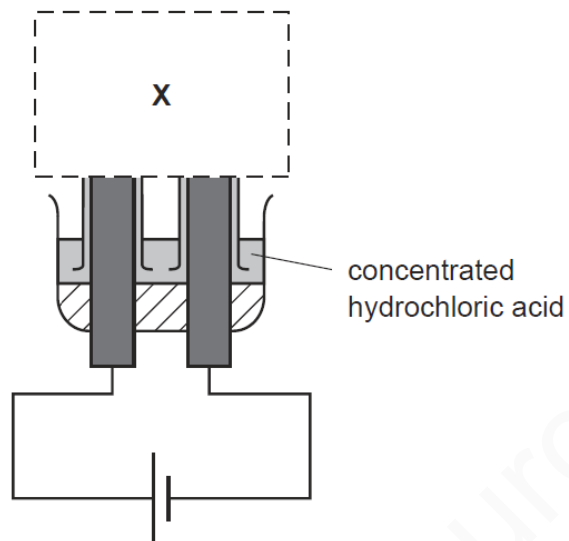


Which statement about the electrode products is correct?

- A Gases were given off at the anode in experiments 2 and 3 only.
- B Gases were given off at the cathode in experiments 1 and 2 only.
- C Metals were formed at the anode in experiments 1 and 3 only.
- D Metals were formed at the cathode in experiments 1 and 3 only.

5

The diagram shown is not complete.



What should be shown at **X** when the solution has been electrolysed for some time?

