



Name: ()

Chem!stry Class:

Date: / /

Revision – Electrolysis of Aqueous Salts and Acids

- For the electrolysis of each aqueous salt; **a)** write the ionic half-equation for the reaction at the anode, **b)** write the ionic half-equation for the reaction at the cathode, **c)** state the name and formula of the compound that remains in aqueous solution.

1.

Dilute Aqueous Sodium Chloride - NaCl (aq)

a) Anode (+)

b) Cathode (-)

c) In Solution

2.

Concentrated Aqueous Sodium Chloride - NaCl (aq)

a) Anode (+)

b) Cathode (-)

c) In Solution

3.

Concentrated Aqueous Potassium Iodide - KI (aq)

a) Anode (+)

b) Cathode (-)

c) In Solution

4.

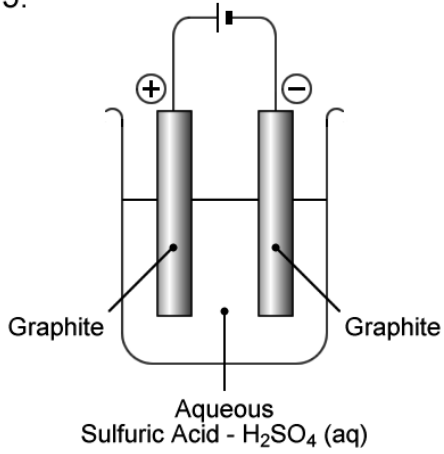
Dilute Aqueous Potassium Iodide - KI (aq)

a) Anode (+)

b) Cathode (-)

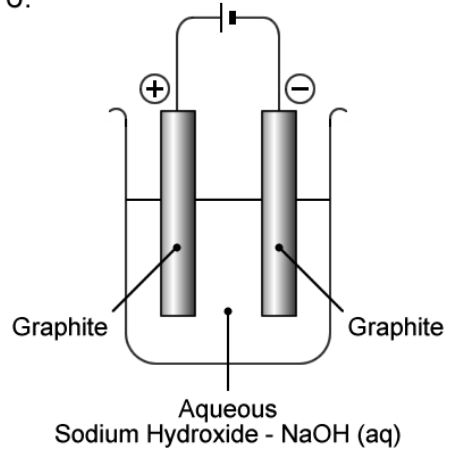
c) In Solution

5.



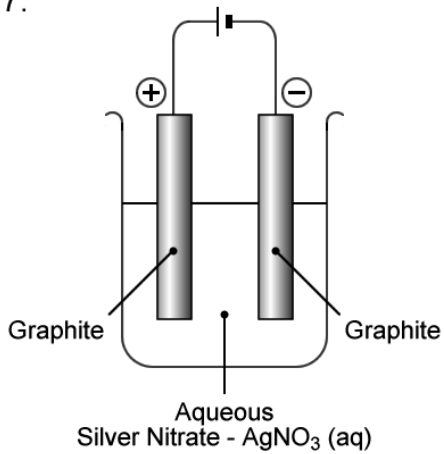
- a) Anode (+)
- b) Cathode (-)
- c) In Solution

6.



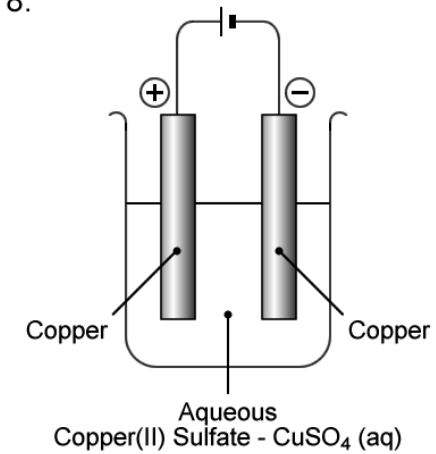
- a) Anode (+)
- b) Cathode (-)
- c) In Solution

7.



- a) Anode (+)
- b) Cathode (-)
- c) In Solution

8.



- a) Anode (+)
- b) Cathode (-)
- c) In Solution

- Scan the QR code given below to view the answers to this assignment.



http://www.chemist.sg/electro_chem/electrolysis_aqueous_salts_ans.pdf