**C6 Electrolysis Quiz Questions**

1. What is electrolysis?
2. What is the name for the positive electrode?
3. What is the name for the negative anode?
4. Do positive ions move to the anode or the cathode?
5. Do negative ions move to the anode or the cathode?
6. What is an electrolyte?
7. State 2 disadvantages of extracting aluminium using electrolysis.

**Exam question:**

The figure below shows an apparatus to produce elements from a solution of an ionic compound.



(a)     What is the name of the process in the figure?

Tick **one** box.

|  |  |
| --- | --- |
| Combustion |  |
| Crystallisation |  |
| Distillation |  |
| Electrolysis |  |

(1 mark)

(b)     The table below shows the products formed from three experiments using different compounds and the apparatus shown in the figure above.

|  |  |  |  |
| --- | --- | --- | --- |
| **Compound** | **State** | **Product at cathode** | **Product at anode** |
| Copper chloride | Molten | Copper | Chlorine |
| Copper chloride | Aqueous solution | Copper | Chlorine |
| Potassium bromide | Molten | Potassium | Bromine |

Use the table above to name the products formed at each electrode if using an aqueous solution of potassium bromide.

At cathode

At anode

 (2 marks)

(c)     Explain why copper is formed at the cathode during the electrolysis of its salts.

 (2)