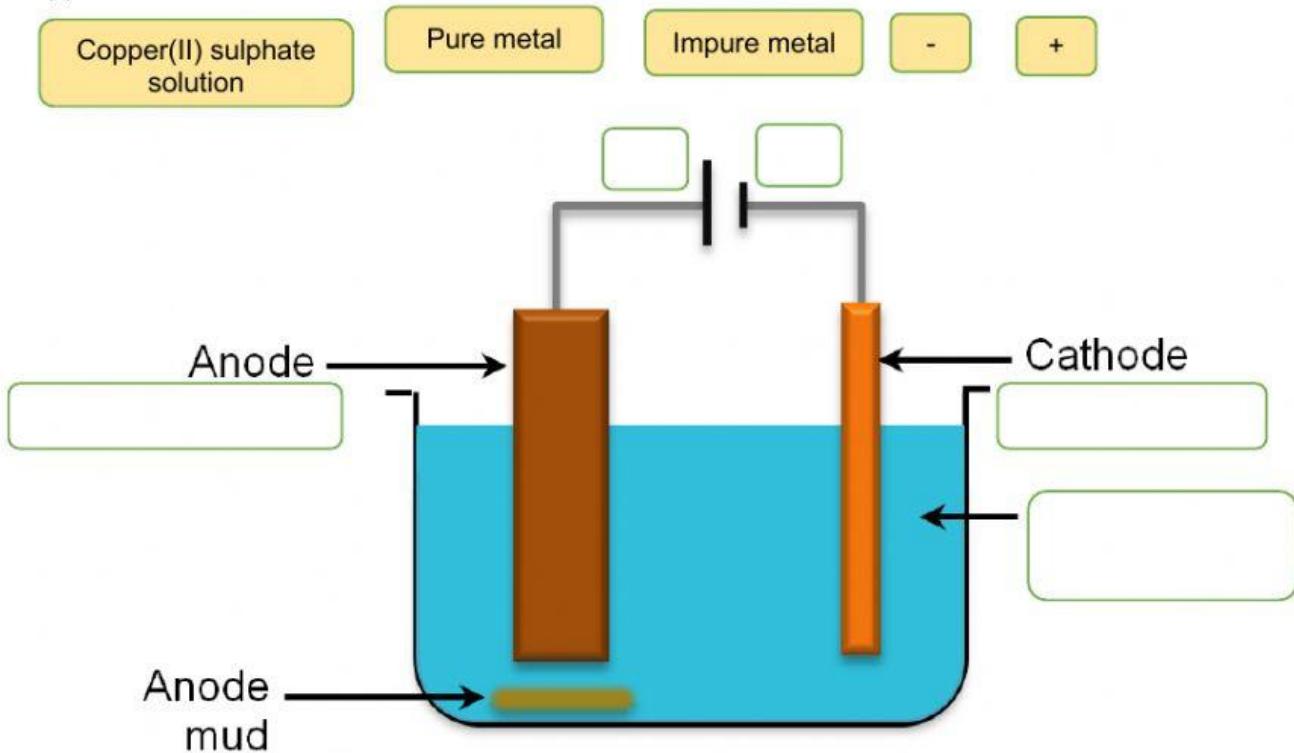
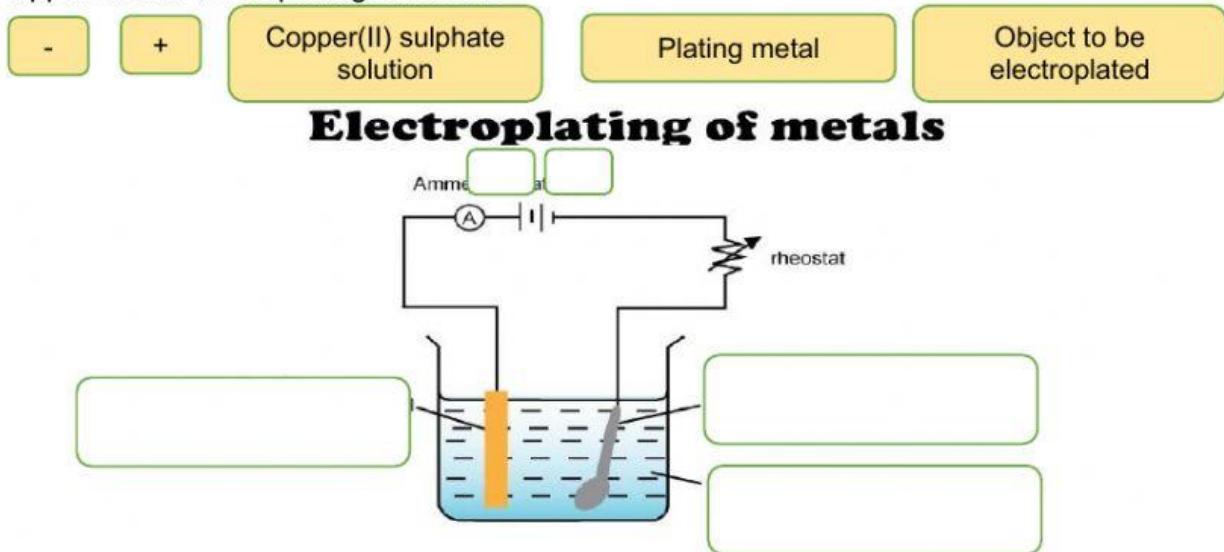


**Quiz 6.1(Vi) Application of Electrolysis****1. Drag and drop and label the diagram.**

Application : Purification of Metals

**2. Drag and drop and label the diagram.**

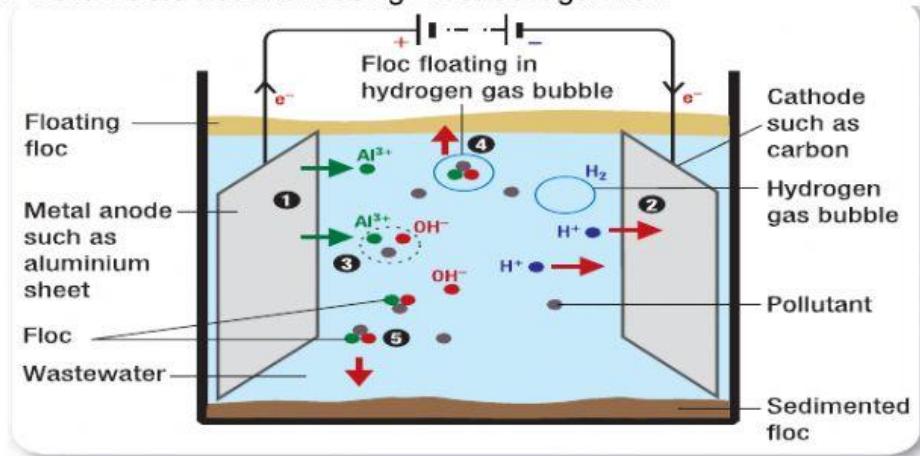
Application : Electroplating of Metals

**Purpose of electroplating of metals:**

- .....
- .....

### 3. Fill in the blank.

Application : Waterwaste treatment using Electrocoagulation



- Involves two processes :

(a) .....

(b) .....

#### (I) Process : Electrolysis

- At the anode, a metal electrode such as ..... **ionises** in the electrolyte to produce **positively charged** .....
- At the cathode, ..... are selected to be discharged to form ..... Hydrogen gas bubbles are released from the cathode and rise to the water surface.

#### (II) Process : Coagulation

- Coagulation occurs when, **aluminium ions,  $Al^{3+}$ , hydroxide ions,  $OH^-$**  and **pollutants** in the wastewater combine to produce coagulants known as .....
- Floc**, trapped in **hydrogen gas bubbles** released from the cathode, are brought up to the .....
- The **remaining flocs** ..... and accumulates at the **base**.

### 4. Drag and drop and label the diagram.

Application : Extraction of metals

Extraction of metal through electrolysis involves metals that is ..... reactive than carbon in reactivity series of metal. The metal can extract from molten .....

**Thanks For Cooperation ☺**

**Prepared by; Mdm Angela**