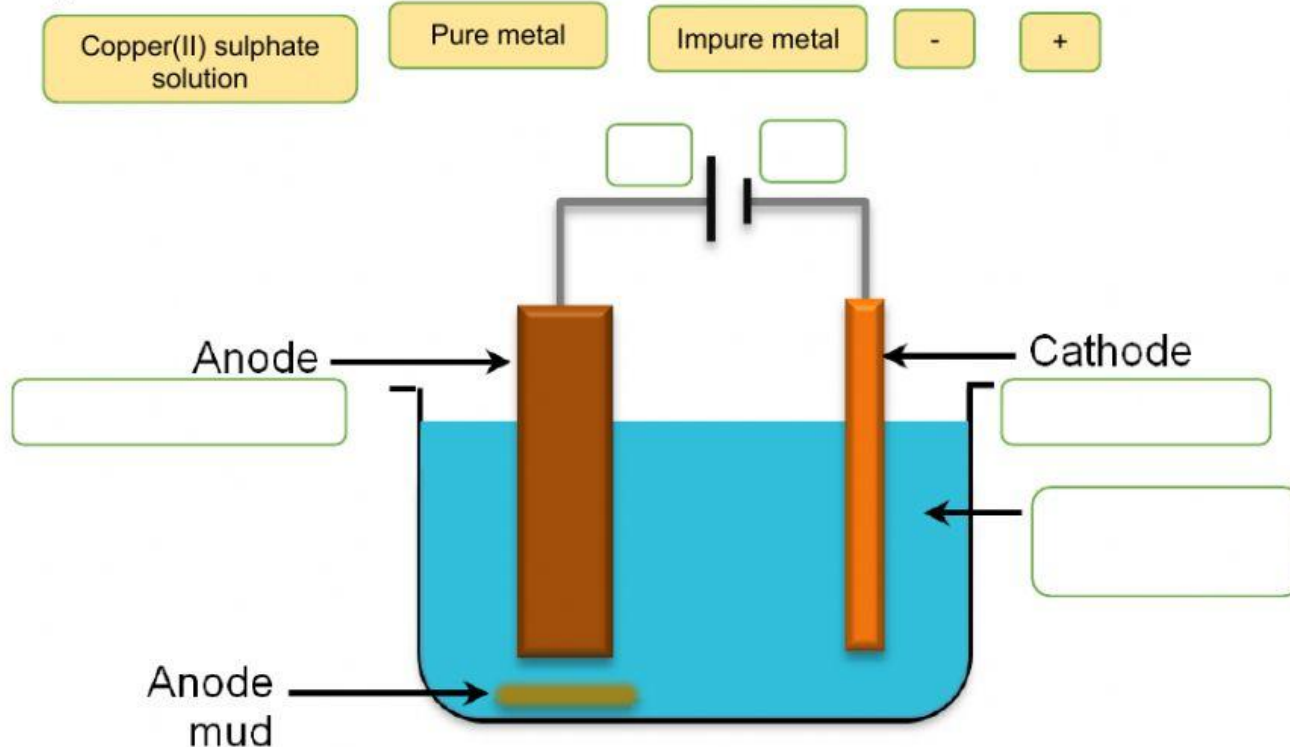
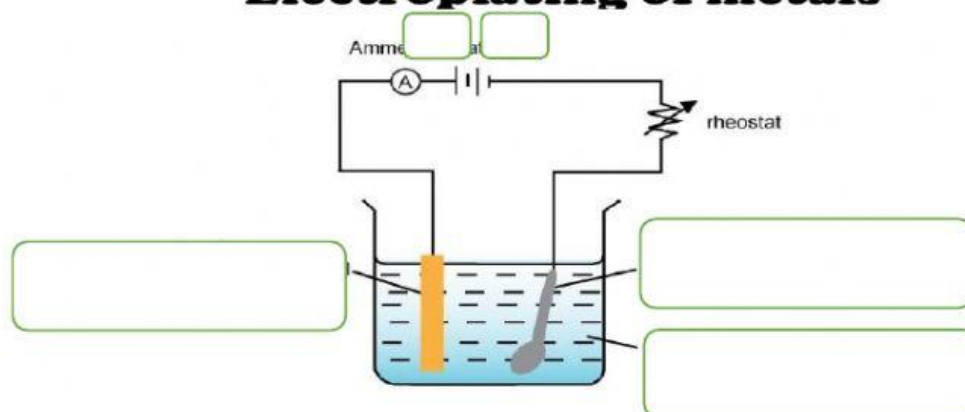


Quiz 6.1(Vi) Application of Electrolysis**1. Drag and drop and label the diagram.**

Application : Purification of Metals

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

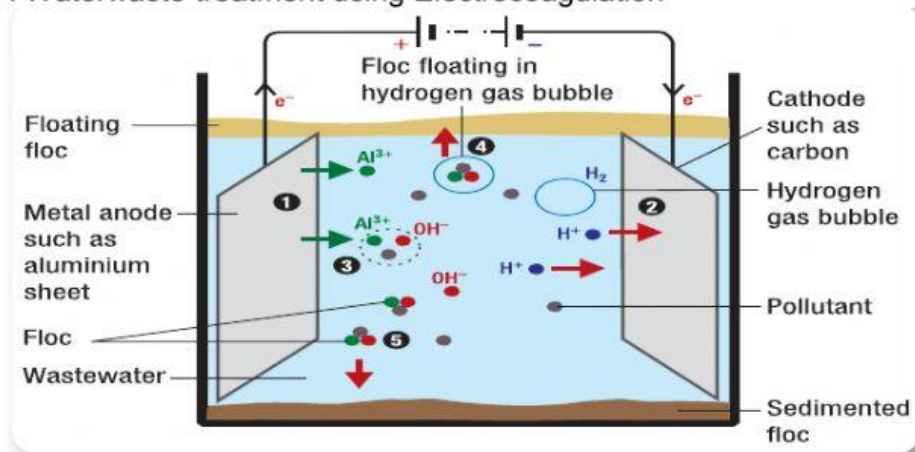
Application : Electroplating of Metals

**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