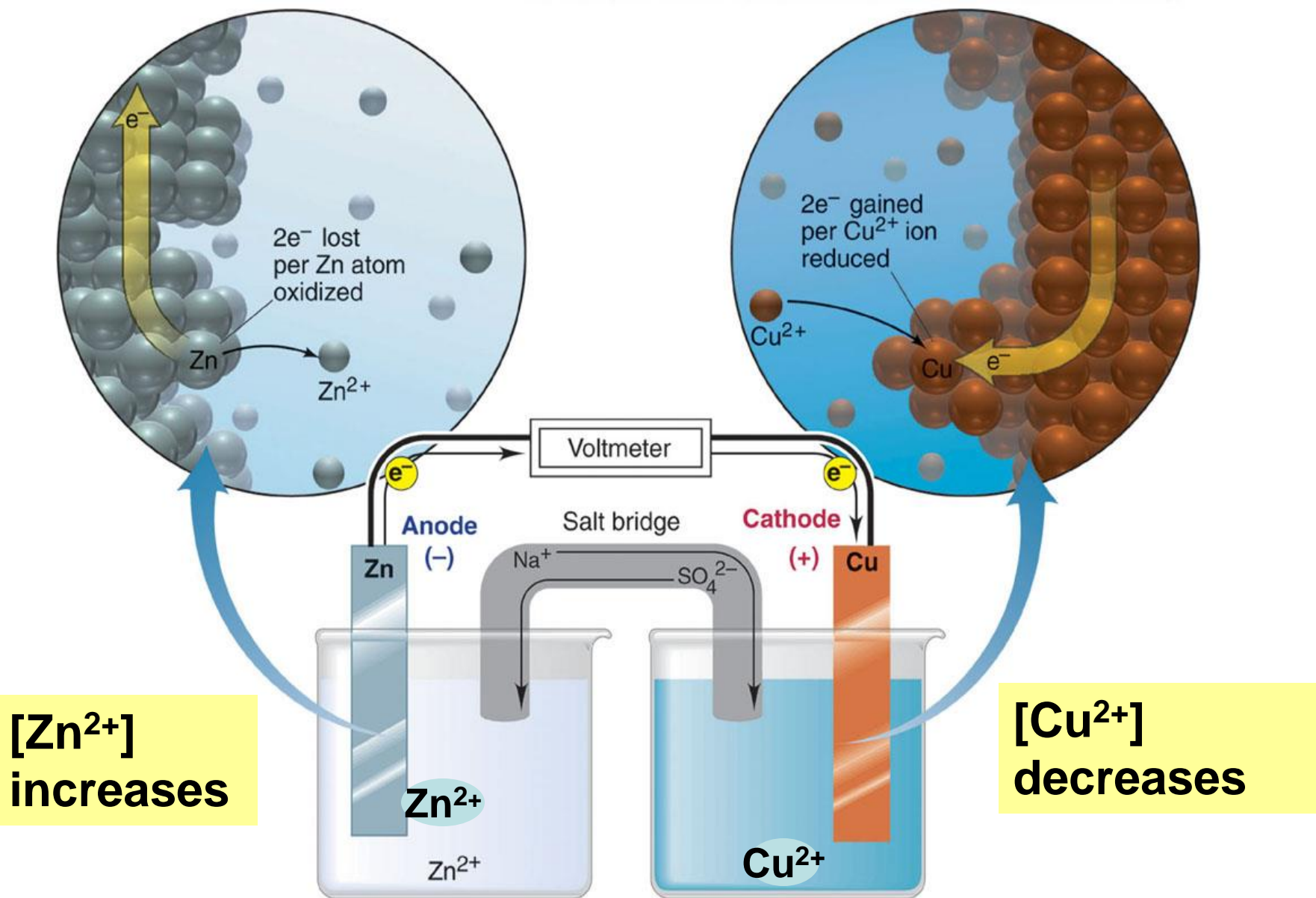


Oxidation half-reaction



Reduction half-reaction



- Zn is oxidized at Zn electrode (anode) to Zn^{2+} and electrons released flow through external circuit to Cu electrode which is the cathode.
- Electrons are accepted by Cu^{2+} which is reduced to Cu.
- The reaction is spontaneous.



**Zinc
electrode
dissolves**

\therefore Mass of Zn electrode \downarrow



**Cu is
deposited at
Cu electrode**

\therefore Mass of Cu electrode \uparrow

anode ➡ The electrode at which *oxidation* occurs.

cathode ➡ The electrode at which *reduction* occurs.

Remember

Anode- oxidation

Reduction At Cathode

An Ox



Red Cat



In electrochemical cell , Electron flow From anode to Cathode through external circuit ⇒

Fat Cat

