

Cell Notation for representing the cell diagram

Components of
Anode compartment
(oxidation half-cell)

Components of
Cathode compartment
(reduction half-cell)

Salt bridge

Remember

A

B

C

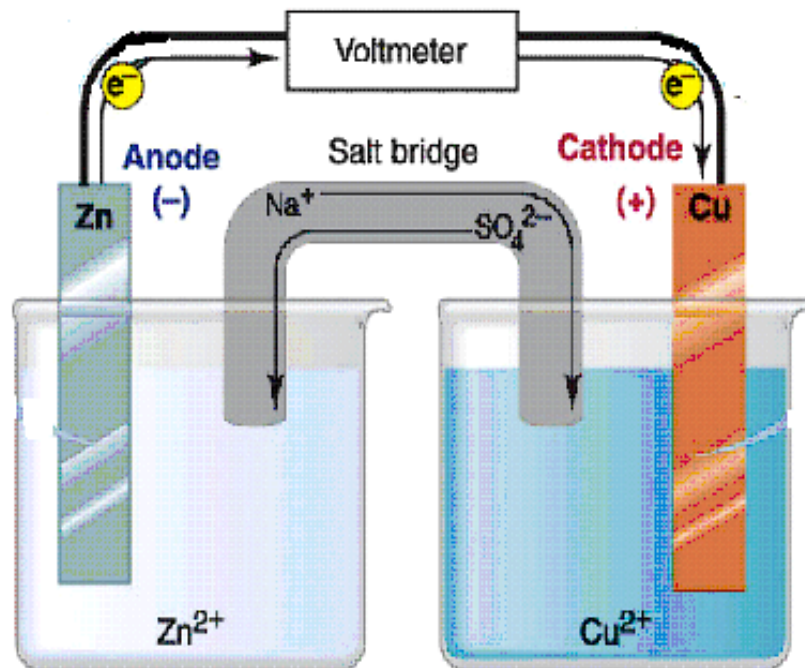
and 2R ⇒ Right for Reduction

- Anode on the left and Cathode on the right.
- Single line represents different phases, comma for same phase.
- Double line represents salt bridge.
- If all the substances on one side are aqueous or gas, a platinum or graphite (carbon) electrode is indicated.

Given redox reaction at standard condition:



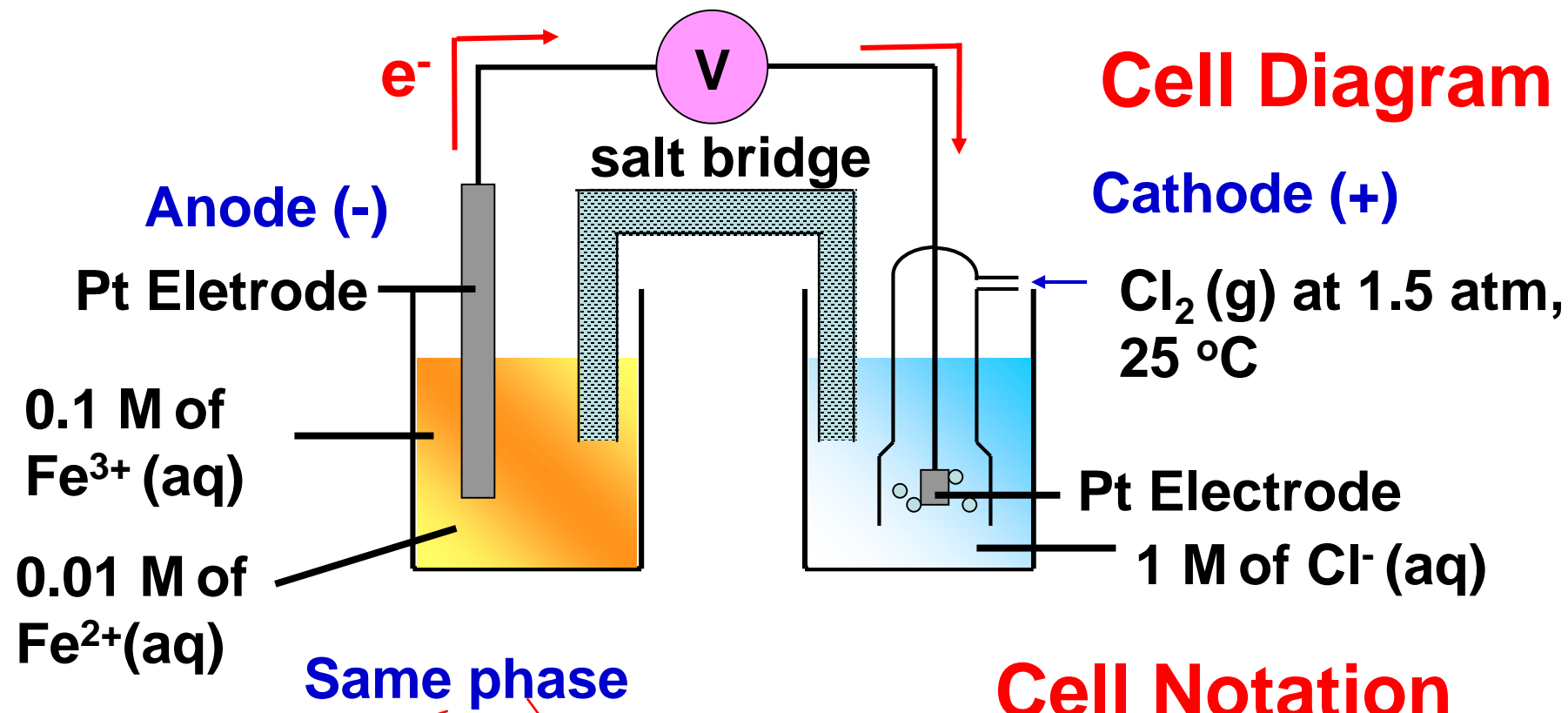
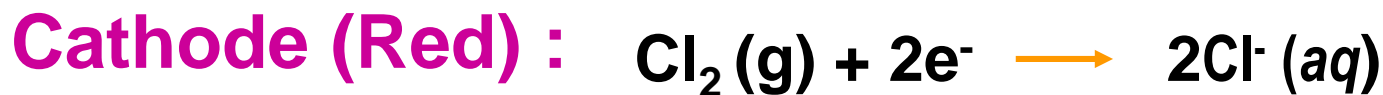
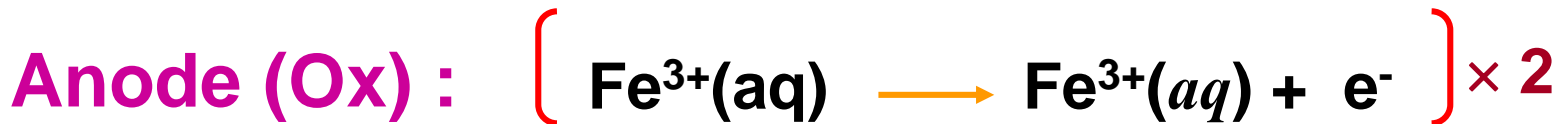
Cell Diagram



Cell Notation



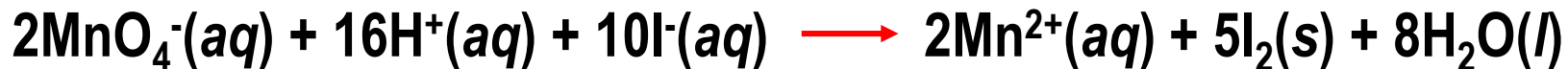
Phase boundary



Cell Notation



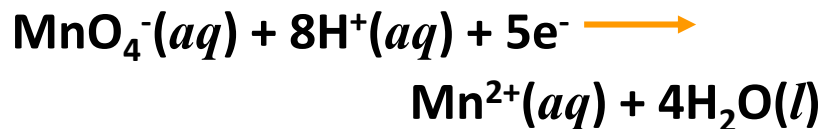
Redox reaction at standard condition :



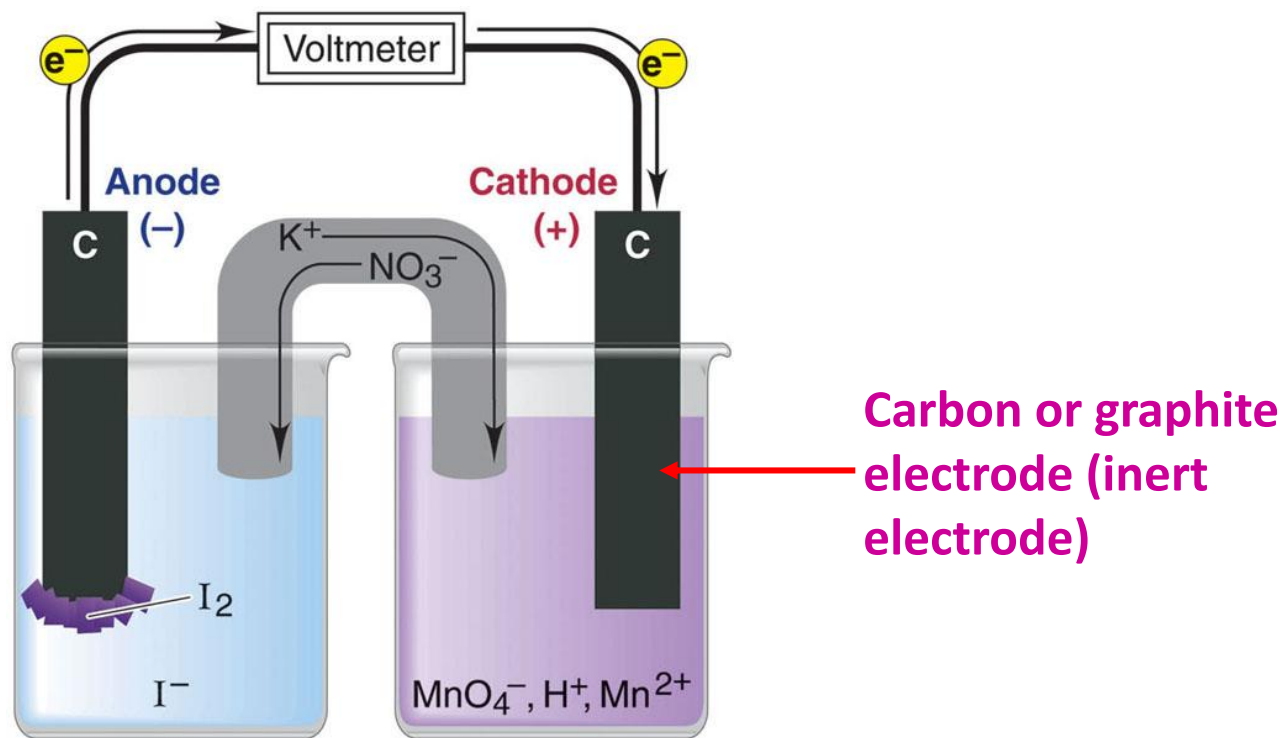
Oxidation half-reaction



Reduction half-reaction



Cell Diagram



Cell Notation

