

## AL Chemistry

### Redox Equilibrium (Part 2)

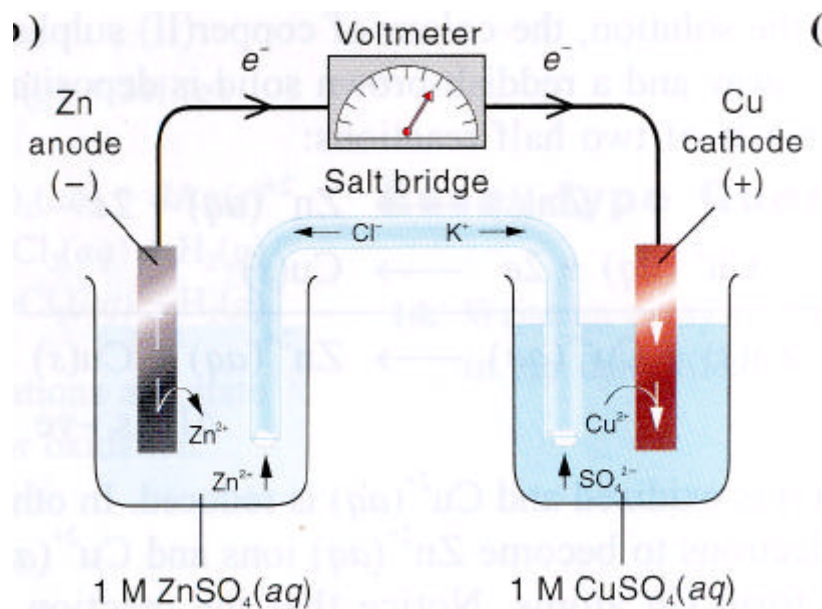
#### Exercise 1

Name : \_\_\_\_\_ ( )

Class : \_\_\_\_\_

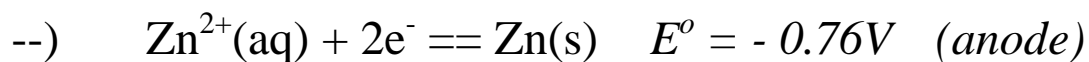
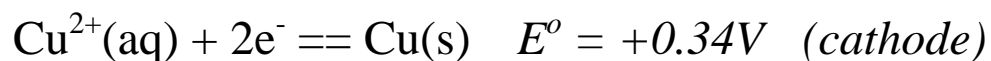
Date : \_\_\_\_\_

### Predicting Cell e.m.f



Calculate the standard e.m.f. of the cell

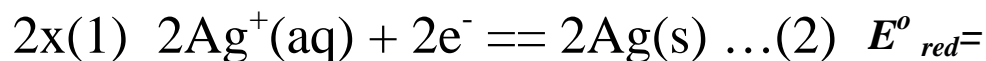
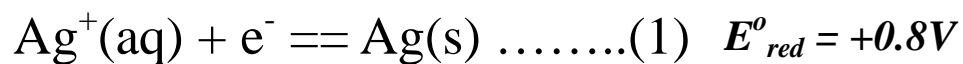
$$E^{\circ}_{\text{cell}} = E^{\circ}_{\text{cathode}} - E^{\circ}_{\text{anode}}$$



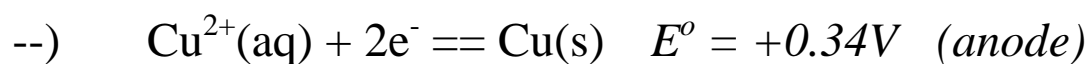
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$$E^{\circ}_{\text{cell}} =$$

Think about it



Calculate the e.m.f. of the cell



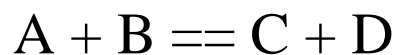
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$$E^\circ_{\text{cell}} =$$

Draw the cell diagram of the above cell.

## Predict the feasibility of redox Rx

Consider the following Rx



If  $E^\circ > 0$

$E^\circ = 0$

$E^\circ < 0$

### Question

Will a reaction take place if a bar of Ag(s) is placed into 1M of Fe<sub>2</sub>SO<sub>4</sub>(aq)