Cell Potentials

Pre-lesson assignment – Textbook p. 388-390

Make notes on Cell Potentials

1. Sketch a cell made up of a $Zn^{2+}_{(aq)}|Zn_{(s)}$ half-cell and a $Cu^{2+}_{(aq)}|Cu_{(s)}$ half cell.
2. State the conditions required to calculate $E^{\ominus}_{cell}$
3. Explain what happens to cause the potential difference:
    a. In the copper half-cell.
    b. In the zinc half-cell.
    c. To the electrons
    d. To the charge of each electrode
4. Write an overall cell reaction for this example.
5. Show how $E^{\ominus}_{cell}$ can be calculated from a data table.