	Marks 8

- An electrochemical cell is consists of 1.0 L half-cells of Fe/Fe^{2+} and Cd/Cd^{2+} with the following initial concentrations: $[Fe^{2+}] = 0.800$ M, $[Cd^{2+}] = 0.200$ M.

What is the initial E_{cell} at 25 °C?

Answer:

What is E_{cell} when $[Cd^{2+}]$ reaches 0.15 M?

Answer:

What is $[Cd^{2+}]$ when E_{cell} reaches 0.015 V?

Answer:

What are the equilibrium concentrations of both ions?

$[Cd^{2+}] =$ $[Fe^{2+}] =$