

Competition Corner: Cell-Potential Evidence

g11_u05_w17

Original fictional paper data only; no cell construction, circuits, materials, or device operation is requested.

1. A fictional cathode reduction is $+0.52\text{ V}$ and anode reduction is -0.18 V . Find cell potential, reverse the cell, and explain coefficient scaling.
2. Two cards give $+0.31$ and $+0.26\text{ V}$ under different stated conditions. State what comparison is supported and name two claims it cannot establish.