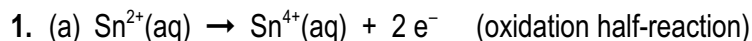
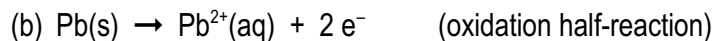


ELECTROCHEMISTRY REVIEW AND PRACTICE 2

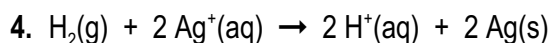
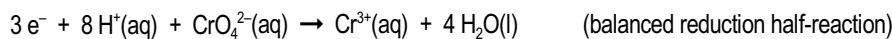
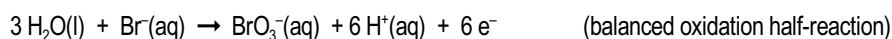
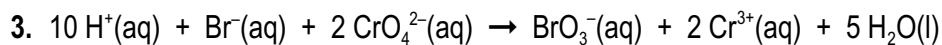
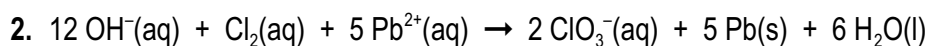
ANSWERS



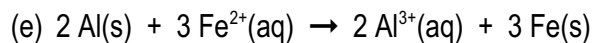
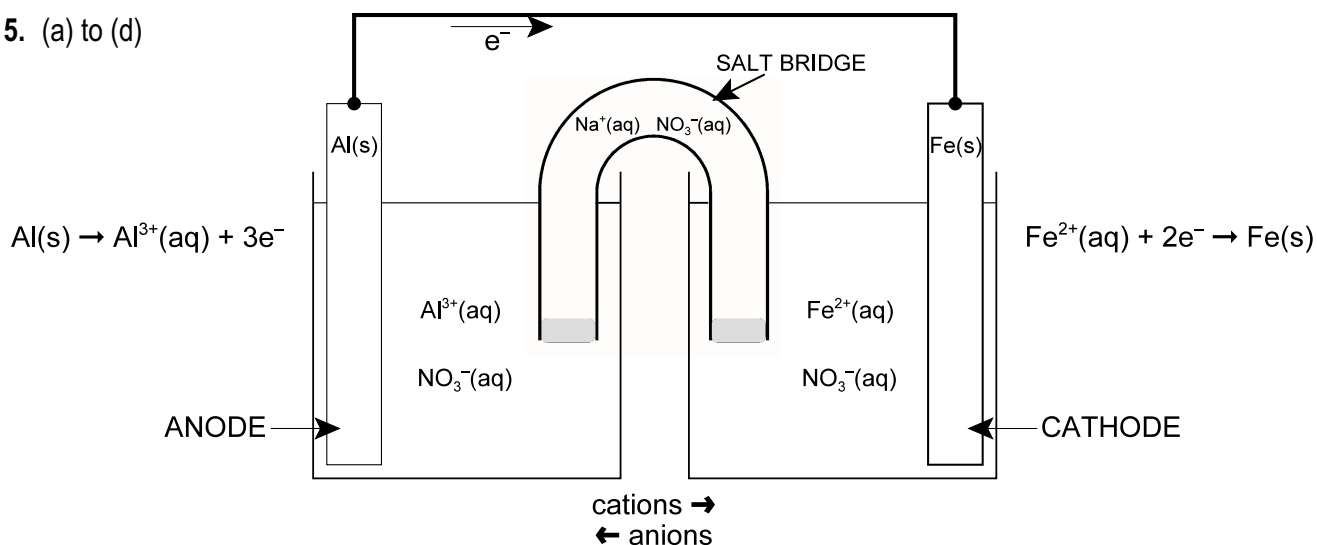
The reaction is spontaneous [$\text{Sn}^{2+}(\text{aq})$ is the reducing agent; $\text{Br}_2(\text{l})$ is the oxidizing agent].



The reaction is not spontaneous [$\text{Pb}(\text{s})$ is the reducing agent; $\text{Cr}^{3+}(\text{aq})$ is the oxidizing agent].



5. (a) to (d)



(f) $\Delta E_{\text{cell}} = E_r(\text{cathode}) - E_r(\text{anode})$

$= (-0.44 \text{ V}) - (-1.66 \text{ V})$

$= +1.22 \text{ V}$