16. Which one of the following reactions would **not** produce a current at 25.0 °C, when set up as a galvanic cell?

(a) $MnO_4^-(aq) + 8\ H^+(aq) + 5\ Fe^{2+}(aq) \rightarrow Mn^{2+}(aq) + 4\ H_2O(\ell) + 5\ Fe^{3+}(aq)$

(b) $Fe(s) + Pb^{2+}(aq) \rightarrow Fe^{2+}(aq) + Pb(s)$

(c) $Br_2(\ell) + 2\ C\ell^-(aq) \rightarrow 2\ Br^-(aq) + C\ell_2(g)$

(d) $Fe(s) + Cu^{2+}(aq) \rightarrow Fe^{2+}(aq) + Cu(s)$