9. An example of an undesirable electrochemical process is the corrosion of metals. Which one of the following equations does **not** represent what might occur during corrosion?

(a)
$$4 \text{ Fe}(OH)_2(s) + 2 H_2O(aq) + O_2(g) \rightarrow 4 \text{ Fe}(OH)_3(s)$$

(b)
$$O_2(g) + {}^{2}H_2O(\ell) + {}^{4}e^{-} \rightarrow {}^{4}OH^{-}(aq)$$

(c)
$$FeCl_3(s)$$
 \rightarrow $Fe^{3+}(aq) + 3 Cl^{-}(aq)$

(d)
$$Pb^{2+}(aq)$$
 $\rightarrow Pb^{4+}(aq) + 2e^{-}$