

24 Electrolysis calculations – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

24.6 The charge on one mole of electrons ($96\,500\text{ C mol}^{-1}$).

24.7 $Q = It$.

24.8 Moles of electrons = Q/F .

24.9 $Q = It = 2 \times 100 = 200\text{ C}$.

24.10 The half-equation.

24.11 The half-equation $\text{Na}^+ + \text{e}^- \rightarrow \text{Na}$ shows 1 mole of electrons makes 1 mole of sodium. So 0.20 mol of electrons makes 0.20 mol of sodium.