

## Quiz Chapter 10 & 11 — Question Two

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$$\begin{aligned} 11.8[\text{mol}] &\rightarrow 1000[\text{g}] \\ 11.8 \cdot 40 &= 472[\text{g}_{\text{NaOH}}] \\ 1000 + 472 &= 1472[\text{g}_{\text{total}}] \\ \frac{1472}{1.32} &= 1090[\text{mL}] \\ \frac{11.8}{1.09} &= 10.82[\text{M}] \end{aligned} \tag{1}$$