Chapter 4

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$$C_3H_8 + 5O_2 \rightarrow 3CO_2 + 4H_2O$$

$$18.9\,L \times \frac{1000\,mL}{L} \times \frac{0.621\,g}{mL} \times \frac{1\,mole\,C_3H_8}{44.09\,g}$$

$$\times \frac{3\,mole\,CO_2}{1\,mole\,C_3H_8} \times \frac{44.01\,g}{mole} \times \frac{1\,kg}{1000\,g}$$

$$= 35.1\,kg\,CO_2$$