

6 How much energy must be added to heat the gas to 450.0 K

$$29.1 \text{ kJ mol}^{-1}$$

$$\frac{1 \text{ mole}}{2.1552} \times 29.1$$

$$\text{ans } 2.1552 \times 2 =$$

$$2.16 - 1.29 = 0.87 \text{ J g}^{-1} \text{ } ^\circ\text{C}$$

$$= \underline{\underline{0.87 \text{ J}}}$$