

Solución

1

$$V_1 = 23 \text{ cm}^3 + ?$$

$$T_1 = 69^\circ \text{C} + 273$$

$$T_2 = 13^\circ \text{C} + 273$$

$$V_2 = ?$$

$$V_2 = \frac{23 \cdot 286}{342}$$

$$V_2 = 19.2 \text{ cm}^3$$

2

$$V_1 = 25 \text{ L}$$

$$T_1 = 50^\circ \text{C} + 273 = 323 \text{ K}$$

$$T_2 = 25^\circ \text{C} + 273 = 298 \text{ K}$$

$$V_2 = \frac{25 \cdot 298}{323}$$

$$V_2 = 23.0 \text{ L}$$

3

$$V_1 = 4 \text{ L}$$

$$V_2 = 1.2 \text{ L}$$

$$T_1 = 31^\circ \text{C} + 273 = 304 \text{ K}$$

$$T_2 = ?$$

$$T_2 = \frac{304 \cdot 7.2}{4}$$

$$T_2 = 91.2 \text{ K}$$