

$$V_1 = 450 \text{ mL}$$

$$P_1 = 756 \text{ torr}$$

$$T_1 = -10 \text{ }^\circ\text{C} = 14 \text{ }^\circ\text{F}$$

$$P_2 = 752 \text{ mmHg} = 752 \text{ torr}$$

$$T_2 = 98.6 \text{ }^\circ\text{F}$$

$$\frac{P_1 \cdot V_1}{T_1} = \frac{P_2 \cdot V_2}{T_2}$$

$$V_2 = \frac{P_1 \cdot V_1 \cdot T_2}{T_1 \cdot P_2} = \frac{756 \text{ torr} \cdot 450 \text{ mL} \cdot 98.6 \text{ }^\circ\text{F}}{14 \text{ }^\circ\text{F} \cdot 752 \text{ torr}} = 3186.14 \text{ mL}$$

Answer provided by www.AssignmentExpert.com