

$$1) V_2 = ?$$

$$T_1 = 20^\circ\text{C} + 273 = 293$$

$$P_1 = 1.05 \text{ atm}$$

$$V_1 = 205 \text{ mL} / 1000 = 0.2$$

$$T_2 = 60^\circ\text{C} + 273 = 333$$

$$P_2 = 2.54 \text{ atm}$$

$$V_2 = \frac{(1.05)(0.2)(333)}{(2.54)(293)}$$

$$\cancel{V_2} = \cancel{0.189}$$

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$$0.5699$$

## Actividad

$$2) P_2 = ?$$

$$V_1 = 440 \text{ ml} / 1000 = 0,44$$

$$T_1 = 30^\circ\text{C} + 273 = 343$$

$$P_1 = 0,20 \text{ mmHg} / 760 = 1,2$$

$$V_2 = 5,6 \text{ L}$$

$$T_2 = 100^\circ\text{C} + 273 = 373$$

$$P_2 = \frac{(1,2)(0,44)(373)}{(5,6)(343)}$$

$$P_2 = 0,10 \text{ atm}$$