

$$P_{F_2} = 14.28 \text{ atm}, P_{H_2} = 8.28 \text{ atm}$$

$$P_{Cl_2} = 4.37 \text{ atm}, P_{\text{Total}} = \text{ ______ atm}$$

$$P_{\text{Total}} = P_a + P_b + P_c$$

$$P_{\text{Total}} = 14.28 \text{ atm} + 8.28 \text{ atm} + 4.37 \text{ atm}$$

$$P_{\text{Total}} = 26.93 \text{ atm}$$

$$P_{O_2} = \text{ ______ atm}, V = 55.36 \text{ L}$$

$$n = 1.72 \text{ mol}, T = 553.6 \text{ K}$$

$$P_{O_2} = \frac{1.72 \text{ mol} \cdot 0.0821 \frac{\text{L} \cdot \text{atm}}{\text{mol} \cdot \text{K}} \cdot 553.6 \text{ K}}{55.36 \text{ L}}$$

$$P_{O_2} = 1.42 \text{ atm } O_2$$

$$P_{N_2} = \text{ ______ atm}, V = 66.26 \text{ L}$$

$$n = 2.01 \text{ mol}, T = 742.99 \text{ K}$$

$$P_{N_2} =$$

$$P_{N_2} =$$

$$P_{CO_2} = \text{ ______ atm}, V = 81.74 \text{ L}$$

$$n = 3.41 \text{ mol}, T = 274.84 \text{ K}$$

$$P_{CO_2} =$$

$$P_{CO_2} =$$

$$P_{SO_2} = \text{ ______ atm}, V = 141.47 \text{ L}$$

$$n = 2.05 \text{ mol}, T = 295.24 \text{ K}$$

$$P_{SO_2} =$$

$$P_{SO_2} =$$

$$P_{\text{Total}} = 26.93 \text{ atm}, V = \text{ ______ L}$$

$$n = 1.53 \text{ mol}, T = 357.52 \text{ K}$$

$$V = \frac{1.53 \text{ mol} \cdot 0.0821 \frac{\text{L} \cdot \text{atm}}{\text{mol} \cdot \text{K}} \cdot 357.52 \text{ K}}{26.93 \text{ atm}}$$

$$V = 1.67 \text{ L}$$

$$P_{O_2} = 1.42 \text{ atm}, P_{SO_2} = 2.50 \text{ atm}$$

$$P_{N_2} = 3.58 \text{ atm}, P_{\text{Total}} = \text{ ______ atm}$$

$$P_{\text{Total}} = P_a + P_b + P_c$$

$$P_{\text{Total}} = 1.42 \text{ atm} + 2.50 \text{ atm} + 3.58 \text{ atm}$$

$$P_{\text{Total}} = 7.50 \text{ atm}$$

$$P_{N_2} = \text{ ______ atm}, P_{SO} = 4.52 \text{ atm}$$

$$P_{O_2} = 2.88 \text{ atm}, P_{\text{Total}} = \text{ ______ atm}$$

$$P_{\text{Total}} =$$

$$P_{\text{Total}} =$$

$$P_{CO_2} = \text{ ______ atm}, P_{CO_2} = 4.72 \text{ atm}$$

$$P_{N_2} = 10.83 \text{ atm}, P_{\text{Total}} = \text{ ______ atm}$$

$$P_{\text{Total}} =$$

$$P_{\text{Total}} =$$

$$P_{SO_2} = \text{ ______ atm}, P_{NO_2} = 4.39 \text{ atm}$$

$$P_{O_2} = 1.52 \text{ atm}, P_{\text{Total}} = \text{ ______ atm}$$

$$P_{\text{Total}} =$$

$$P_{\text{Total}} =$$

$\Rightarrow \frac{nRT}{V}$
↑
Partial Pressure