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AS

$$pV = nRT$$

$$(a) \quad n = \frac{PV}{RT} = \underline{53.6} \text{ mol}$$

$$(b) \quad \frac{1.58}{128 \text{ g/mol}} = \underline{1.17 \times 10^{-2}} \text{ mol}$$

$$(c) \quad \frac{0.0117}{0.0117 + 53.6} = \underline{2.18 \times 10^{-4}}$$

(d) 気圧平衡 対

$$P_2^s = x_2 p$$

$$= \underline{21.8} \text{ Pa}$$

$$(e) \quad \underline{777} \text{ L}$$