

2. Pūķlaid

V bombē o-objēnu $V = 0,05 \text{ m}^3$ jē 5 kg
o-xīdu uhlīcīfētr.

Jakj jē jēhr klal pū tēpē 30°C

$$\frac{PV}{T} = \frac{m}{M} R$$

$$P = \frac{m \cdot R \cdot T}{M \cdot V} = \frac{5 \text{ kg} \cdot 8314 \frac{\text{J}}{\text{kg} \cdot \text{K}} \cdot 303 \text{ K}}{44 \frac{\text{kg}}{\text{kmol}} \cdot 0,05 \text{ m}^3} = 5,7 \cdot 10^6 \text{ Pa}$$

$$M_{\text{CO}_2} = 12 + (2 \times 16) = 44 \frac{\text{kg}}{\text{kmol}}$$