

## Pressure

$$\textcircled{1} \text{ a) } 738 \text{ mm Hg} \times \frac{1 \text{ atm}}{760 \text{ mm Hg}} = 0.97 \text{ atm}$$

$$\text{b) } 380 \text{ torr} \times \frac{101325 \text{ Pa}}{760 \text{ torr}} = 50663 \text{ Pa}$$

$$\text{c) } 2.38 \text{ atm} \times \frac{101.3 \text{ kPa}}{1 \text{ atm}} = 241 \text{ kPa}$$

$$\text{d) } 748 \text{ mm Hg} \times \frac{760 \text{ torr}}{760 \text{ mm Hg}} = 748 \text{ torr}$$

$$\text{e) } 25000 \text{ kPa} \times \frac{760 \text{ mm Hg}}{101.3 \text{ kPa}} = 187562 \text{ mm Hg}$$

$$\text{f) } 565 \text{ mm Hg} \times \frac{1 \text{ atm}}{760 \text{ mm Hg}} = 0.74 \text{ atm}$$

$$\text{g) } 104.9 \text{ kPa} \times \frac{760 \text{ mm Hg}}{101.3 \text{ kPa}} = 787 \text{ mm Hg}$$