

### Problem 1A.3

**Computation of the viscosities of gases at low density.** Predict the viscosities of molecular oxygen, nitrogen, and methane at 20°C and atmospheric pressure, and express the results in  $\text{mPa} \cdot \text{s}$ . Compare the results with experimental data given in this chapter.

*Answers:* 0.0202, 0.0172, 0.0107  $\text{mPa} \cdot \text{s}$