Exercise 87

Calculate the density of aluminum if 27.6 cm^3 has a mass of 74.6 g.

Solution

Divide the mass by the volume to obtain the density.

$$\text{Density} = \frac{\text{Mass}}{\text{Volume}} = \frac{74.6 \text{ g}}{27.6 \text{ cm}^3} \approx 2.70 \ \frac{\text{g}}{\text{cm}^3}$$