

Question #59010, Chemistry / Physical Chemistry

if 30 g of a substance occupies a volume of 25 cm³, calculate its density on s.i units

Answer:

$$\rho = \frac{m}{V} = \frac{30g}{25cm^3} = \frac{3 \times 10^{-2}kg}{0.25 \times 10^{-4}m^3} = \mathbf{1200 kg/m^3}$$