Answer on the question #47555, Chemistry, Physical Chemistry

Question

Volume occupied by 1molecule of water is
Density =1g/cm

Answer

$$V = \frac{m}{\rho} = \frac{M(H_2O)}{N_A * \rho} = \frac{18}{6.02 * 10^{23} * 1} = 2.99 * 10^{-23} \ cm^3$$