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2

$$V = a^3 = 10^{-18} \quad a = 10^{-6} = 10^{-8} = 10^{-6} \text{ .}$$

$$m = V = 7.87 \cdot 10^{-18} \text{ .}$$

$$m_0 = M/N_A = 56 / 6.02 \cdot 10^{23} \text{ 1/} = 9.30 \cdot 10^{-23} \text{ .}$$

$$N = m/m_0 = 7.87 \cdot 10^{-18} / 9.30 \cdot 10^{-23} = 84600.$$

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