

2. (a) Eq. 20-3 yields $n = M_{\text{sam}}/M = 2.5/197 = 0.0127$.
(b) The number of atoms is found from Eq. 20-2: $N = nN_A = (0.0127)(6.02 \times 10^{23}) = 7.64 \times 10^{21}$.