

Question #81286, Chemistry / General Chemistry | for completion

How many atoms are in 2.5 mole of carbon? avogadros number

Solution:

1 mole contains 6.02×10^{23} atoms.

2.5 moles contain $2.5 \times 6.02 \times 10^{23} = 15.05 \times 10^{23} = 1.505 \times 10^{24}$

Answer: $m = 1.505 \times 10^{-23}$ kg

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