

NAME

What is the approximate size of an atom? (specify units)

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A beryllium atom has a radius of about 10^{-10} m.

What is the approximate volume occupied by one beryllium atom? (specify units)

The mass of a mole of beryllium atoms is about 9 g. Estimate the density of beryllium metal. ($N_A=6.02 \times 10^{23}$ /mole)