

DATA TABLE:

DATA TABLE:							{ SINGLE ATOM }						
Sample	Description	Mass (g)	Volume (cm ³)	Density (g/ cm ³)	Identity	Number of atoms	Mass (g)	Volume (cm ³)	Diameter (cm)	Radius (cm)	Radius (Å)	Radius (nm)	Radius (pm)
1													
2													
3													
4													
Experi- mental Average													
Literature Value													

$$\text{Percent Error} = \frac{\text{Experimental value} - \text{Literature Value}}{\text{Literature Value}} \times 100 \%$$

Calculate percent error for: Average Density of the 4 samples

Average radius of a single atom expressed in Å, nm, and pm