

Density: Mass Packed Into Volume

A visual breakdown of macroscopic
math and microscopic reality.

$$\text{Density} = \text{Mass} / \text{Volume}$$



Mass

The amount of matter present in a substance.

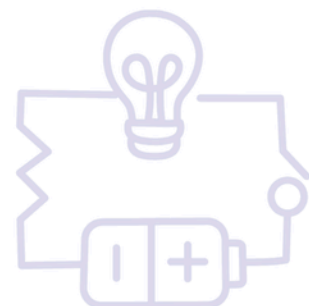
Volume

The three-dimensional space occupied by that substance.



**You've Learned the Theory.
Let's Test Them Now.**

$$E=mc^2$$



Turn theory into marks with **unlimited MCQs, smart analysis, and focused revision.**

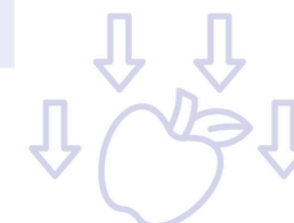
Practice Now



At prep.topall.app

Key Highlights

- » Free Study Material, Videos & Infographics
- » Push Your Limits with Level-Based Challenges
- » Climb the Leaderboard Among Fellow Aspirants
- » Practice Unlimited MCQs for NEET & JEE
- » Get Clear Explanations, Not Just Marks
- » Track Your Performance Smarter



$$\frac{\text{SI unit of mass (kg)}}{\text{SI unit of volume (m}^3\text{)}}$$



SI unit: kg m^{-3}

Alert

Macro Scale: This standard unit is physically quite large. For context, a single cubic meter of water weighs 1000 kg.



Lab Scale

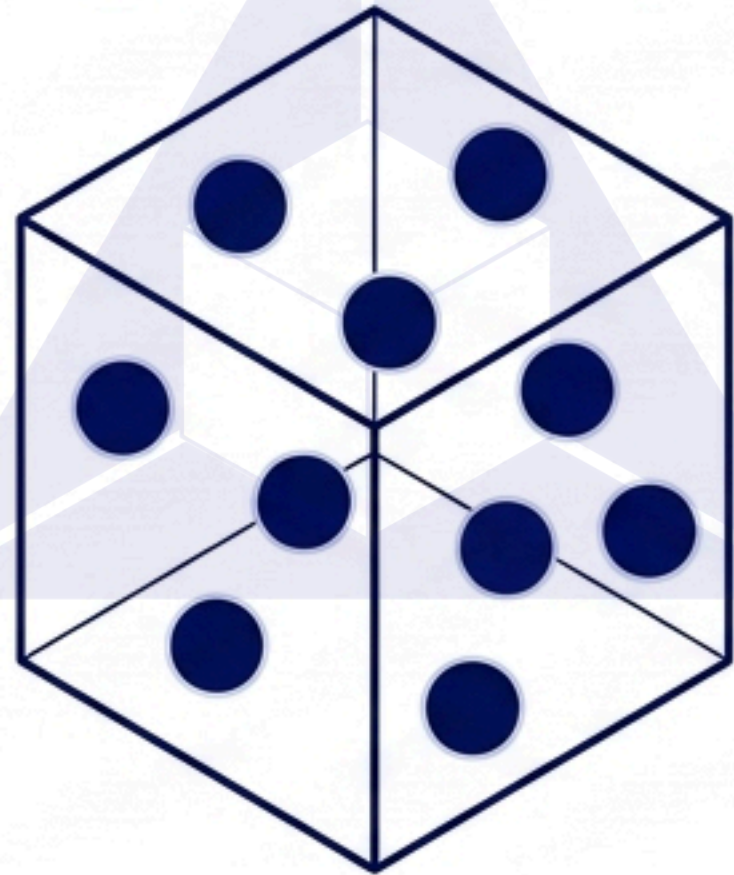


Common chemistry
unit: g cm^{-3}

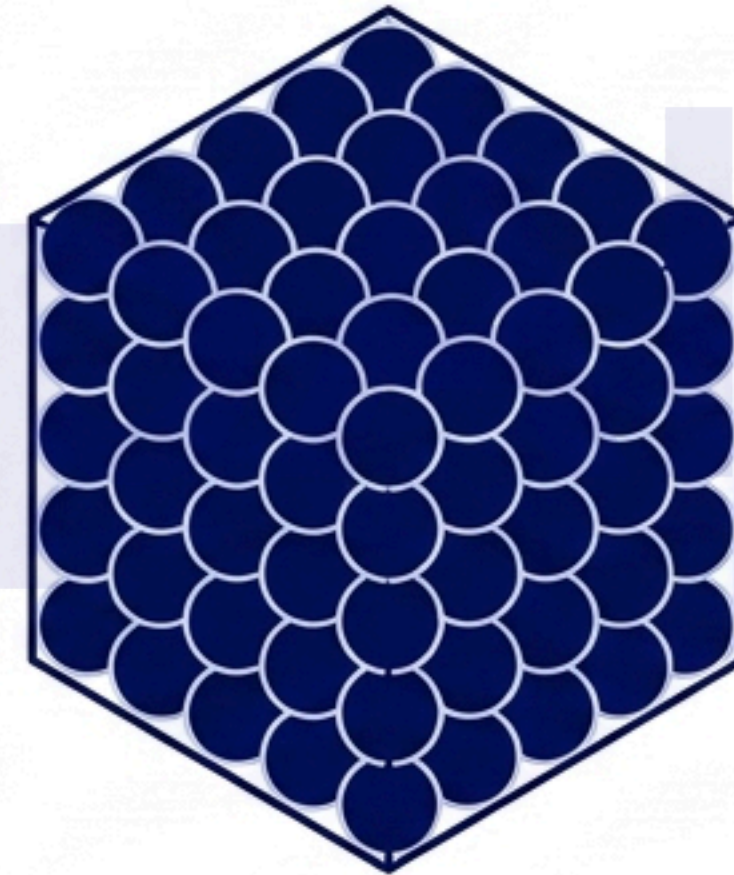
Chemists typically work with smaller, bench-top quantities. Expressing mass in grams and volume in cubic centimeters makes density practical for the laboratory.

Key takeaway

**higher density means particles
are packed more closely**



Lower Mass = Lower Density



Higher Mass = Higher Density



You've Learned the Theory.

Now Let's Test It.

Reading notes gets you knowledge.

Practicing MCQs gets you marks.

That's exactly what TopAll Pro is built for.

Try TopAll Pro Now

What TopAll Pro Does Differently

-  **Stuck? Snap it. Solve it. — Doubts AI**
Photo → step-by-step solution in seconds, 24/7
-  **Your AI Coach finds your blind spots**
Concept-level weakness detection — not just chapter-level
-  **4.5 Lakh+ questions. Never run out.**
13× more content than any other prep app in India
-  **Build your own test in 60 seconds**
Pick a chapter, set difficulty — AI does the rest instantly.
-  **AI Recommendation that helps you improve**
AI Recommendation Analysis your Tests and tell you where you need to improve.



Practice the moment you finish studying
Jump in while the concept is still fresh in your head

4.5L+
MCQs

1.5L+
Students

AI Powered
In-Depth Analysis