

Density Notes

- **Density (D)**-how much matter is packed into a given amount of space
- To determine density, we need to know the **Mass** and the **Volume** of the object
 - **Mass (M)**-the amount of matter (stuff)
 - **Volume (V)**-how much space it takes up ($V = L \times W \times H$)
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- We use the following formula to determine Density: $D = \frac{M}{V}$
- So if our mass=10g
- And our volume=5L
- Our density is $10g/5L = 2g/L$

Solving Density Problems:

Step 1: Write the density formula:

Step 2: Replace the 'M' with your mass with units

Step 3: Replace the 'V' with your volume with units

Step 4: Divide the *numbers* from your mass and volume

Step 5: Write the number answer

Step 6: Write your new unit next to the number as (mass/volume)