

1. In lab this week you collected data on 4 unknown substances. Calculate the density of each substance.
2. Using the chart of known substances, determine which substance has the greatest density?
3. Which substance has the least density?
4. Would any of these substances from your lab float on water?
5. What density would a substance have if it could float on water?
6. If you have 2 grams of Calcium what is its volume?
7. If you have 5 cm³ volume of Platinum what is its mass?
8. Which one of the known substances has the greatest mass?
9. Which one of the known substances has the least mass?

Substance	Mass (g)	Volume (cm ³)	Density (g/cm ³)
1	10.35	5.0	
2	4.54	2.0	
3	6.95	4.0	
4	5.40	3.0	

Substance	Density (g/cm ³)
Calcium	1.54
Magnesium	1.74
Phosphorus	1.82
Sulfur	2.07
Carbon	2.27
Platinum	21.46