Science Notebook Layout **DON'T COPY UNDERLINED TEXT**

Mrs. Aguirre's Webpage: http://www.quia.com/profiles/caguirre

Graphing Densities

Volume	Mass	Observations (color, texture, size, etc)

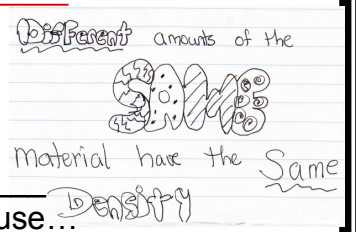
Copy this under the charts. Use 6 lines

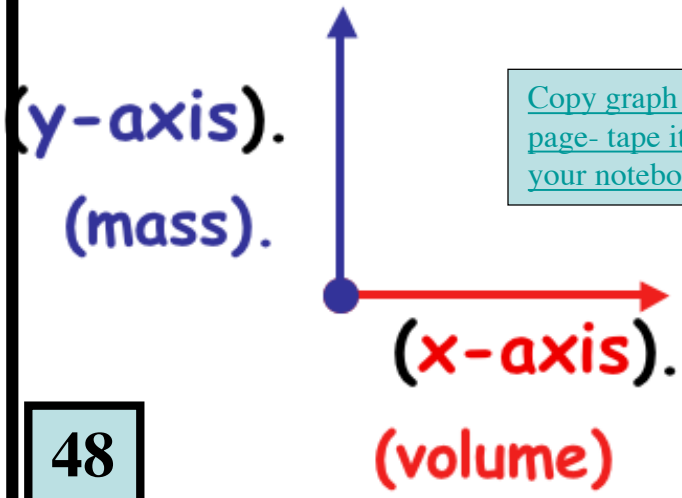
Density calculations:

1. Density = Mass/Volume
   = ___g/ ___mL
   = ____g/mL

We think the _____ object is : _____
___(describe it) because…

(use the chart to try to identify the solids)





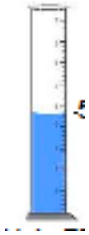
Copy graph on next page- tape it into your notebook

WILL DIFFERENT AMOUNTS OF A MATERIAL HAVE DIFFERENT DENSITIES?

Water amount:____

Volume: ___mL

Mass : ___ g



Density = Mass/
Volume

= ___g/ ___ mL

= ___ g/mL

Volume of water (mL)	Mass of Water (g)	Density (g/mL)
90 mL		
80 mL		
70 mL		
60 mL		
50mL		
40 mL		
30 mL		
20 mL		
100 mL		

Two patterns I noticed are….

A)

B)

The density of water is the same for each group because..

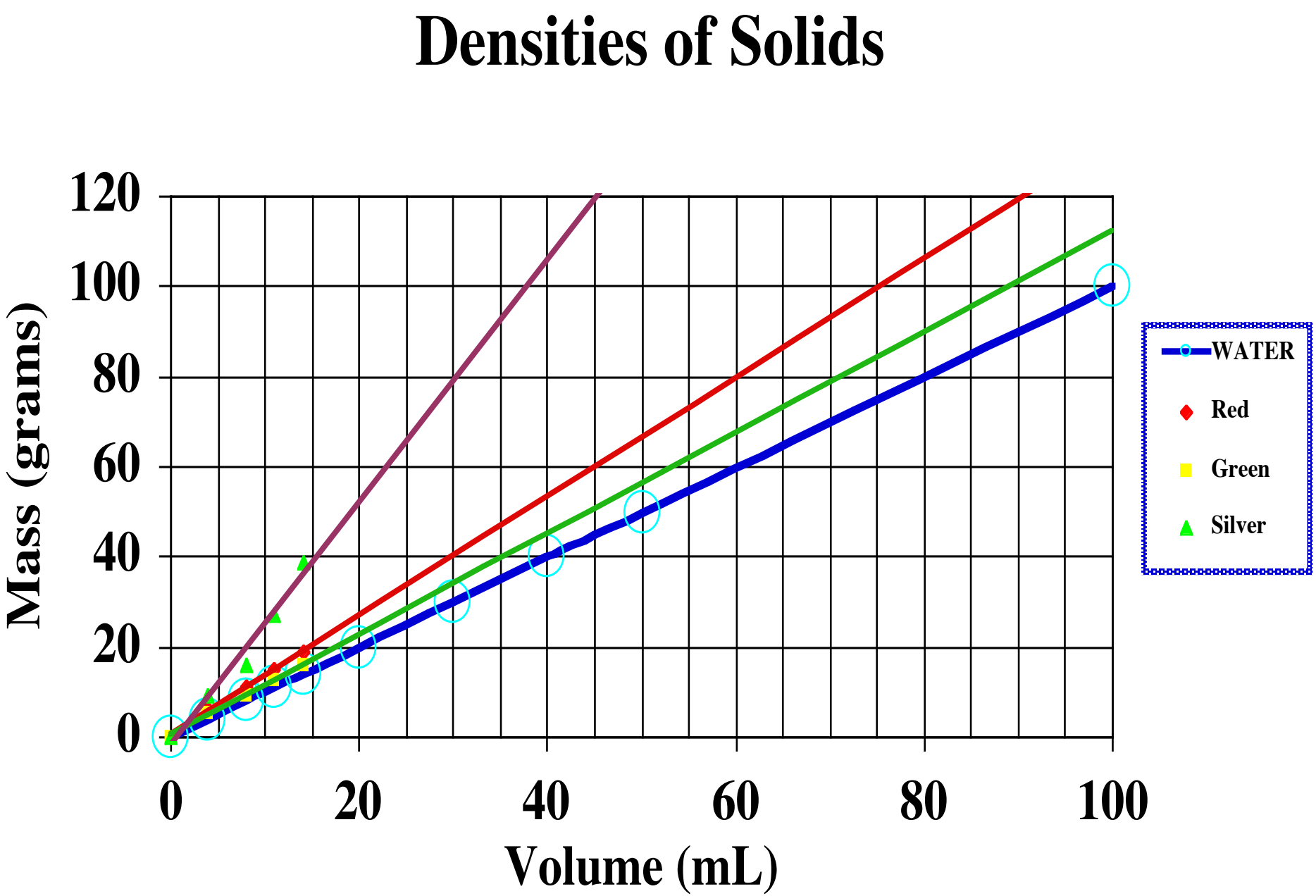
Density is a _____.

As mass increases, volume _____,

so when you _____ mass by

volume, you get the _____ answer.

Example graph of densities- Page 48



Densities of items in increasing order

0.64 g/ml	Walnut
0.75 g/ml	Oak
0.77 g/ml	Maple
0.90 g/ml	Polypropylene
0.92 g/ml	LDPE (polyethylene)
1.15 g/ml	Nylon
1.17 g/ml	Acrylic
1.23 g/ml	Polyurethane
1.32 g/ml	Phenolic
1.37 g/ml	PVC (Polyvinylchloride)
1.42 g/ml	Acetyl
2.2 g/ml	Teflon
2.7 g/ml	Aluminum
7.7 g/ml	Steel
7.9 g/ml	Iron
8.56 g/ml	Brass
8.91 g/ml	Copper
11.3 g/ml	Lead