

Page 45: WILL DIFFERENT AMOUNTS OF THE SAME MATERIAL HAVE THE SAME DENSITY?

Water

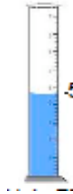
Volume =

Mass = Density = $\frac{m}{V}$ = --- =

DENSITY = (write the formula)

= _____ g/ _____ mL

= _____ g/mL



Use 8 lines

Page 45: WILL DIFFERENT AMOUNTS OF THE SAME MATERIAL HAVE THE SAME DENSITY?

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

USE 10 lines

Page 45: WILL DIFFERENT AMOUNTS OF THE SAME MATERIAL HAVE THE SAME DENSITY?


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

Two Patterns we noticed about the data are...

- (a)
- (b)

Page 45: WILL DIFFERENT AMOUNTS OF THE SAME MATERIAL HAVE THE SAME DENSITY?

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

Different amounts of the

 material have the Same
 Density