

5.1

Density of Fluids

What causes the layering of liquids?

LOL LOL LOL LOL

MASS

Amount of _____ in an _____.
Find _____ by measuring _____ in _____.



The amount of _____ occupied.
Can measure in _____.

Density
"D"

The amount _____ in a _____ of material.
"m" "V"

$$D = \frac{m}{V}$$

Density is the ratio between _____ and _____.

Ex:

- 1. Topic
- a. information
 - i. details

- 1) _____
- a) _____
- b) _____
- i) _____

See Word for more Samples

5.1 "Density" Outline

I. Density

- a. Amount of matter in a volume
 - i. mass per volume
 - ii. the heavier of two objects of same volume is more dense.
 - iii. must compare weight of EQUAL VOLUMES.

II Density of Liquids

- a. If you have different volumes, you must use calculations to equal the volumes before Comparing.

- i.

 25ml 25g	 50ml / 2 = 25ml 55g / 2 = 27.5g
	↑ denser

- b. Density = mass(in grams) of 1ml of material

i. $D = \frac{m}{V} = \frac{g}{ml}$

$D = \frac{m}{V} = \frac{\text{g}}{ml} = \boxed{} \text{ g/ml}$

continue on your own
↓

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