Density

**What is density?** Density is a comparison of how much \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ there is in a certain amount of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Basically, how much \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is in a certain area.

**Circle which box is more dense in each pair:**

|  |  |
| --- | --- |
|  |  |

**Density =**

**Remember Units…**

* Mass is measured in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_
* Volume is measured in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_
* Volume can also be measured in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_
  + If you measure the volume of a box, you multiply

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* + Each of these measurements are in \_\_\_\_\_, so they make \_\_\_\_\_\_\_\_\_!

**Practice Problems:**

|  |
| --- |
| * Frank has a paper clip. It has a mass of 9g and a volume of 3cm3. What is its density? * Frank also has an eraser. It has a mass of 3g, and a volume of 1cm3. What is its density? |
| * Jack has a rock. The rock has a mass of 6g and a volume of 3cm3. What is the density of the rock? * Jill has a gel pen. The gel pen has a mass of 8g and a volume of 2mL. What is the density of the rock? |
| * Al’Licia has a watch. It has a mass of 4g and a volume of 1mL. What is the density of the watch? * Mia has a wallet. It has a mass of 15g and a volume of 5cm3. What is the density of the wallet? |

Liquid Layers

* If you pour together liquids that don’t mix and have different densities, they will form liquid layers.
* The liquid with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ density will be on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The liquid with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ density will be on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



