Density Formula

Density of a substance can be determined by calculating its mass-to-volume ratio.

-For liquids density is measured in g/mL or g/L

-For solids density is measured in g/cm

Density of water is 1.00 g/mL

A substance that had a density of 2.85 g/mL would **Sink** in water. It is **More** dense than water.

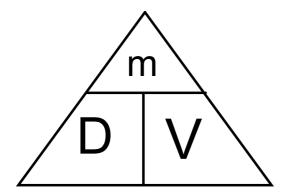
A substance that had a density of 0.82 g/mL would float in water. It is dense than water.

Which substance would float or sink in water? 1.00g/mL

| Substance | Density of substance | Sink or Float |
|-----------|----------------------|---------------|
| Α | 0.35 g/mL | float |
| В | 1.02 g/mL | sink |
| С | 0.99 g/mL | float |

Table 5.1 on page 141 shows the approximate desities of common substances

Helps with rearranging



Archimedes story.docx