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| Name: | Class: | Date: |

**4.5 Calculating Density**

Partner talk:

List five things that float and five things that sink

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| Things that float | Things that sink |
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What do you already know about floating or sinking?

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What is density?

* Density is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ volume of a substance.
* The units for density are typically \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Each substance has its own unique density. Water has a density of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Items with a density greater than water (\_\_\_\_\_\_\_\_\_\_\_\_\_),\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in water.
* Items with a density less than water (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_),\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in water.

How is density measured?

* When you compare the masses of the same volume of different substances, you are

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

* Density is calculated by dividing the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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The formula is:

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