

Name: _____

Date: _____

Section 4.5 Calculating Density

BEFORE YOU READ:

List five things that float and five things that sink.

| Things that Float | Things that Sink |
|--|--|
| | |

What do you already know about floating and sinking? Write some notes about why you think things float.

WHILE YOU READ: (pages 107-109)

As you read, complete the notes in the graphic organizer below.

Density

What is Density?

Density is the _____ per
_____ volume of a space.

Each substance has its own density. Water
has a density of _____.

Items with a density greater than water
(1.0 g/mL) _____ in
water.

Items with a density smaller than water
(1.0 g/mL) _____ 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
_____ of an amount of
substance by its _____.

The formula is:

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AFTER YOU READ:

With a partner, discuss how the information on density makes sense, based on what you already know. Together, work through *CYU #3* on page 109.