	Chapter 3 – Density Reading Study Guide
1.	The property of an object that causes it to feel light or heavy for its size is called
2.	The density of an object depends on two things: and
3.	The is the amount of matter in the object.
4.	The volume is
5.	The mathematical equation for density is: Density =
6.	The density of a material is based on the or the substance is made from.
7.	If you have cubes of copper and aluminum the same size (volume) and the copper has a greater mass than the aluminum cube, we can infer the copper cube is more
8.	There are three reasons why copper and aluminum have different densities: a. b. c.
9.	A sample of a substance with a higher density will always have a greater than the same size sample of a substance with a lower density.
10.	In order to find the density of a substance, you need to measure the and the of a sample of the substance.
11.	Mass is a measure of the that makes up an object.
12.	Weight is a measure of the on a certain mass.
13.	Sometimes finding the volume of an object is not as easy as simply using a metric ruler to measure the length, width and height. Another method is the method
14.	When measuring the volume of an object that doesn't sink in water, what to you have to do to accurately measure its volume?
15.	What two things do you subtract to find the volume of an object using water displacement method? minus
16.	A milliliter is the same as a
17.	The volume of the water displaced equals

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9. The density of an object		aced in determine where an object will
	of the object that matters compared to the density o	
1. An object that is less de will	nse than water will	. An object that is more dense than water
2. Why is clay more dense	than an equal volume of water?	
	et or the water is it place in can be cl	nanged so that an object that normally
4. If an object sinks in war ways to make the object a.	t float:	ense than the water. There are two possibl
4. If an object sinks in war ways to make the object a. b.	t float:	
 If an object sinks in war ways to make the object a. b. Why do boats float when the object are ways to make the object are ways to	en they are made out of material the affect density?	at is more dense than water?
 4. If an object sinks in war ways to make the object a. b 5. Why do boats float when a. Heated molecules resubstance has the second and the second and	en they are made out of material the affect density? move and get slighted mass but a slightly larger	
4. If an object sinks in war ways to make the object a. b. 5. Why do boats float who a. Heated molecules resubstance has the second b. When water is cooled	en they are made out of material the affect density? move and get slighted ame mass but a slightly larger density. ed, it's molecules move	at is more dense than water? tly The The larger volume results in a and get a little
4. If an object sinks in war ways to make the object a. b. 5. Why do boats float where a. Heated molecules resubstance has the second b. When water is cooled	en they are made out of material the affect density? move and get slighted ame mass but a slightly larger density. ed, it's molecules move The water still has the same mass	at is more dense than water? tly The The larger volume results in a and get a little but takes up a
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4. If an object sinks in war ways to make the object a. b. 5. Why do boats float where a. Heated molecules resubstance has the second volume. This results 7. Normally, when a liquid	en they are made out of material the affect density? move and get slighted ame mass but a slightly larger density. ed, it's molecules move The water still has the same mass in an in density.	at is more dense than water? tly The The larger volume results in a and get a little but takes up a ensity.