Density and Buoyancy

Lesson 1 Density



Grade 8 Science Content Standards-8.a: Students know density is mass per unit volume. Also covers: 8.b, 9.f

1	Scan Lesson 1 of your book. Use the checklist below.
	☐ Read all of the headings.
	☐ Read all of the bold words.
	☐ Look at the tables and pictures.
	☐ Think about what you already know about density.
	Write three facts that you discovered.
	1,
	2
	3
Review	Define volume using your book or a dictionary.
Vocabular	Define volume using your book or a actionary.
volume	
New_	
Vocabular	
	Then use each term in a sentence that shows its scientific meaning.
	meaning.
density	
rectangular solid	
Academic	
Academic Vocabular	Define preceding.
preceding	

Name	Date
Lesson 1 Density (cont	tinued)
Main Idea	Details
What is density? I found this information	Draw and label an arrow to show how density changes as the mass and number of particles in an equal volume change.
on page	less mass more mass
	fewer particles more particles
I found this information on page	Complete the equation with words to show how density is calculated. Give the unit for each part of the equation. Then write the equation with symbols.
	density () = divided by
	Equation:
I found this information on page	Summarize the two properties that change when a material is broken into smaller pieces and the one that does not.
	The and of the material change,
	but its does not change.
I found this information on page	Analyze the factors that determine the density of a material. Complete the diagram.
	The density of a material depends on
	1
SUMMARIZE IT	Summarize the main ideas of the above section in two
bullet points.	