Density Learning Objectives

Name_____ Hour_____

Standard IV: Students will understand the density of matter.

Objective 2: Accurately measure the characteristics of matter in different states.

Learning Objectives:

Taxonomy Level (Type of Thinking)	**Proficiency Level**	**Learning Objective**
Knowledge/ Remember	1	The student will define *solid, liquid, gas, mass, volume, and density.*

Knowledge/ Remember	1	The student will select the density formula.
Knowledge/ Remember	1	The student will recall appropriate instruments and methods to measure mass and volume (previous unit.)
Application/ Apply	3	The student will choose appropriate instruments to measure mass, volume and density.
Application/ Apply	3	The student will calculate the volume of regular and irregular objects.
Application/ Apply	3	The student will apply the density formula and calculate the density of regular and irregular objects.

Knowledge/ Remember	1	The student will recall the density of water is 1 g/mL.
Comprehension/ Understand	2	The student will explain that matter with a density less than 1g/mL will float in water and matter with a density greater than 1g/mL will sink in water.

Knowledge/ Remember	1	The student will tell how the amount of an object affects its density.
Comprehension/ Understand	2	The student will demonstrate comprehension that substances arrange and sort by density.
Comprehension/ Understand	2	The student will compare and contrast the relative density of solids and liquids.
Application/ Apply	3	The student will identify the relationship between mass and volume as it relates to density.