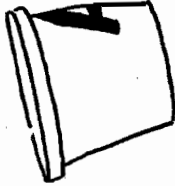


density

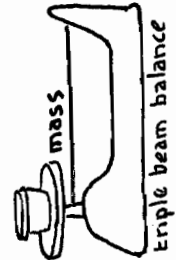
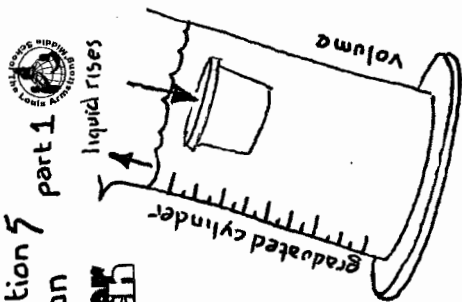
What is density?
 investigation 7
 part 1
 convection

weather
 watch



$$d = \frac{m}{V}$$

(g) (cc)



define
 density -

sample	type of object	mass	volume	density
A				
B				
C				
D				
E				
F				

Our goal is to find volume by water displacement and to use mass and volume to figure out density

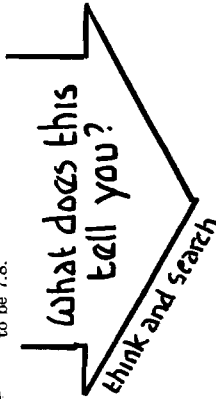
bob

Standard 56a, 56b, 56c, / do all math inside this
 55d, 55e, 55f / booklet

fold and glue onto
 page of
 Bob

DENSITY is a term used by scientists to refer to the quantity of matter in a given unit of volume. A block of stone weighs more than a block of wood of the same size because the matter in it is more closely packed, and a block of lead weighs even more because the matter in it is yet more closely packed. The densest natural metal known is uranium, and the least dense is lithium. In other words, a cubic inch of uranium would weigh more than a cubic inch of lithium would weigh less than a cubic inch of any other solid substance we could find. For scientific purposes it is customary to compare the density of a specific material with the density of some standard substance, usually water. The ratio thus obtained is called specific gravity. For example, the weight of a cubic foot of iron is 490 pounds, and that of a cubic foot of water is 62.4 pounds. If the density of water, with which we will compare the iron, is set at 1, the specific gravity of iron is said to be 7.8.

Golden Horn and High School Encyclopedia
Vol 6 p 756



$$d = \frac{m}{V} \quad \text{density} = \frac{\text{mass}}{\text{Volume}}$$

How do we find out the mass of an object?

How do we find out the volume of an object?

lets do the math

A	B
C	D
E	F

Show all work when doing the math