Lesson 3 - Mass, Volume, Density & Measurement

THE FOLLOWING VIDEO HAS BEEN APPROVED FOR ALL AUDIENCES
BY THE EARTH SCIENCE TEACHERS ASSOCIATION OF AMERICA, INC

THE VIDEO HAS BEEN RATED

INTELIGENT

UNCER 15 REQUIPES TEACHER
ASSISTANCE

STRONG EARTH SCIENCE LANGUAGE, DETAILED CLAGRANS, AND SUPER AMESOMENESS

- · I can define Measurement
- · I can define Mass
- · I can define Volume
- · I can define Density
- I can use the Density triangle to find Mass, Volume, & Density Formulas

## Measurement

- Expressing an observation with more accuracy
- Direct comparison to a known standard
   Example
  - Centimeters
    - Centimeters - Seconds
    - Grams





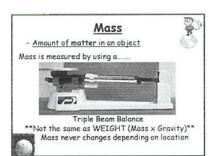
 Every measurement contains at least one of these three quantities

Length - distance between two points

Time - order or duration of event Mass - amount of matter in an object



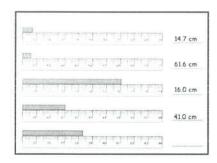
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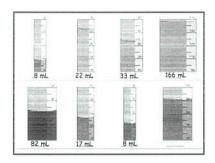


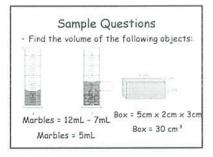
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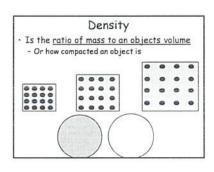


Take a look at the two boxes below. Each box has the same volume. If each marble has the same mass, which box would weigh more? Why?





The box that has more marbles has more mass per unit of volume.

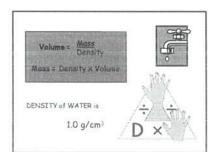


The density of a material helps to distinguish it from other materials

The formula for Density is:

Density = Mass Valume

Given on the page 1 of your Reference Table!



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