Slide 1 Matter

Slide 2 Table of Contents

Physical & Chemical Changes

How is length measured

How is volume measured

Mass & density

Physical Properties of matter

Graduated cylinder

Slide 3 Physical & Chemical Changes

Physical

Change in Matter

Does not produce new kind of matter

Change in shade, color, state, size

Cutting paper, painting, melting/freezing water

Chemical

Change in matter

Produces new kind of matter

Cooking pancakes, frying eggs

Rusting, tarnishing, burning

Slide 4 how is length measured

Length is a physical property of matter

Length measures the distance between two points Picture

Meters, centimeters, millimeters, kilometers

Slide 5 how is volume measured

Volume of regular solid shade is measured by multiplying length X width X height

Volume of liquids in liters or milliliters

Bolume of irregular shade is measured with a graduated cylinder

Picture

Slide 6 Mass and density

Mass is not the same as weight

Mass is measured with a balance

Picture find mass by balancing with objects

Kilograms, grams, milligrams

Slide 7 Physical Properties of matter

Color

Shade

Size

State of matter (solid, liquid, gas, plasma)

Ability of float

Slide 8 Graduated cylinder

Get a Graduated Cylinder

Add a Little Water

Mark Water Level

Add Irregular Shape

Mark New Water Level

Find Difference Between the 2 Water Levels

Difference is the Volume