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