

Topic	Practice Problems *Optional*	Answers
Density	1) Calculate the density if $m=45\text{g}$ and $V=13\text{cm}^3$ 2) Calculate the volume if the density is 1.4g/mL and $m=70\text{g}$ 3) Calculate the mass if $d=3.5\text{g/mL}$ and $V=14\text{cm}^3$ 4) Which object(s) will float? Densities: #1= 1.2g/mL #2= 0.45g/mL	1) 3.46 g/cm^3 2) 50 mL 3) 49 g 4) #2
Mixtures, Elements, Comp.	Classify each thing as either an element, mixture, or a compound 1) Salt water 2) Air 3) Carbon dioxide 4) Oxygen 5) Salt	1) mixture 2) mixture 3) compound 4) element 5) compound
Signs of a Reaction	1) List the signs of a chemical reaction	1) gas given off, color change, precipitate formed, temperature change, light emitted
Physical, Chemical Changes and Properties	Classify each thing as either a physical change, physical property, chemical change, or a chemical property 1) A tin can is able to rust 2) A tin can is shiny 3) A piece of paper is torn 4) A piece of paper is burned 5) Give two examples of each: physical change, physical property, chemical change, and chemical property	1) chemical property 2) physical property 3) physical change 4) chemical change
Metric Conv.	1) Convert 15 mm into Dm 2) Convert 1.2 Km into cm 3) Convert 190 dm into Hm 4) What is the mnemonic we use?	1) 0.0015 Dm 2) 120000 cm 3) 0.190 Hm 4) King Henry Died By Drinking Chocolate Milk
Metric System	1) What is the Base unit for length? 2) What is the Base unit for mass? 3) What is the Base unit for volume? 4) What is the Base unit for time?	1) meter 2) gram 3) liter 4) seconds

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