

Mae Alhegagi
 (Labs up until April 25th/12)
 SCH 3UE
 Ms Pall

Lab Portfolio Table of Contents

Unit	Lab	Number
Intro	Types of Reactions and Balancing Equations	1
Unit 1- Quantitative Chemistry	The Water Lab	2
	Chalk, Candy Lab	3
	The Thickness of a Thin Sheet of Aluminum	4
	Cube Lab	5
	The Number of Molecules in a Given Sample	6
	Percent Composition of Magnesium Oxide	7
	Formula of a Hydrate	8
	Determination of the Empirical Formula of a Compound	9
	Mole Relationships in a Chemical Reaction	10
	Planning Lab: Quantities in Chemical Reactions	11
Unit 2- Gases	The Effect of Temperature on the Volume of a Gas	12
	Determining the Molar Volume of a Gas	13
	How Much Fizz Does an Alka-Seltzer Tablet Produce?	14
	Planning Lab: Design an Air Bag	15
Unit 3- Solution Chemistry	Solubility of a Salt	16
	Making Up Solutions	17
	Stock Solutions and Dilutions	18
	Double Displacement Reactions	19
	Precipitation of Lead (II) Iodide	20
Unit 4- Acids and Bases	Electrolytes: Weak and Strong	21
	Acid-Base Systems	22
	Titration: Standardizing Sodium Hydroxide Solution	23
	pH Changes during Titration	24
Unit 5- Atomic Structure &Periodicity	Making Acids and Bases	25
	Periodicity of Oxides and Chlorides of Period 3	26
	Spectroscopy: Hydrogen Spectrum	27
	Trends in Atomic Radius and Ionization Energy of Period 2 & 3	28
	Reactions of Transition Metals	29
		30
		31
		32