

SCH3UE LAB PORTFOLIO (2012) – TABLE OF CONTENTS

Number	Lab	Topic
1	Types of Reactions (Chemical Reactions)	1.3.1
2	The Water Lab – H ₂ O	1.1.2
3	The Chalk Lab – CaCO ₃	1.1.2
4	The Thickness of a Thin Aluminum Sheet	11.2.2
5	The Cube Lab	11.2.2
6	Number of Molecules in Chemicals	1.2
7	Percent Composition of Magnesium Oxide	1.2
8	Formula of a Hydrate	1.2.6
9	Determination of the Empirical Formula of a Compound	1.2.5
10	Mole Relationships in a Chemical Reaction	1.1.2
11	Planning Lab: Quantities in Chemical Reactions	1, 11
12	The Effect of Temperature on a Volume of Gas	1.4
13	Determining the Molar Volume of a Gas	1.4.6
14	How Much Fizz Does an Alka-Seltzer Tablet Produce?	1.4
15	Design an Air Bag	1.4.6 1.4.7
16	Solubility of a Salt	1.5
17	Making Up Solutions	1.5
18	Stock Solutions and Dilutions	1.5
19	Double Displacement Reactions	1.5
20	Precipitation of Lead (II) Iodide	1.2.3 1.5.2
21	Solubility Graph	1.5.2 11.3.4
22	Electrolytes: Weak and Strong	8.3.1
23	Strong and Weak Acid-Base Lab	8.3.2 8.4.3
24	Acid-Base Systems	1.5 8.1.3
25	Titration Lab: Standardizing Sodium Hydroxide Solution	1.5.2
26	pH Changes During a Titration	1.5 11.3.2
27	The Making of Acids and Bases	8.2.1
28	Spectra of Atomic Hydrogen	2.3.3
29	The Variation of Atomic Properties	3.2.2
30	Polarity of Molecules	14.1.1
31	Recognizing ionic, molecular covalent, metallic and network structures	4.5.1
32	Assignment: Molecules and Networks (ITC)	14.1.1
33	Testing Liquids for Polarity	14.1.1
34	Transition Metal Compounds	13.2.1
35	Periodicity of Chemical Properties in Chlorides and Oxides	4.5.1