

SCH 3U ~ 2010-11 LAB PORTFOLIO

Unit: Quantities in Chemical Reactions

1. Classifying chemical reactions
2. Water Lab
3. Chalk Lab
4. Number of Molecules in Chemicals
5. Magnesium Oxide – Percent Composition
6. Determination of the Empirical Formula
7. Formula of a Hydrate
8. Mole relationship in Chemical reactions: $\text{Al} + \text{CuCl}_2$

Unit: Solutions and Solubility

9. Determine the Solubility of a Salt in Water at Room Temperature
10. Making Solutions
11. Stock solutions and Dilution
12. Double Displacement Reactions: Writing Net Ionic Equations
13. Precipitation of Lead (II) Iodide
14. Electrolytes: Weak and Strong
15. Properties of Acids and Bases: Identifying 6 Unknowns
16. Titration Lab: Standardizing a Sodium Hydroxide Solution using KHP

Unit: Gases and Atmospheric Chemistry

17. Dry lab: Volume and Temperature Relationship
18. Determine the Molar Volume of Gas
19. How much Fizz does an Alka-Seltzer Tablet Produce
20. Design an Air Bag

	Level 4	Level 3	Level 2	Level 1	R
Content, Completion, Organization.	18 or more of the labs are included & completed. Labs are clearly organized by unit with title & date.	14-17 of the labs are present & completed. Labs are well organized with only minor omissions with respect to title, date.	11-13 of the labs are present and completed. Some labs are out of order or missing titles/dates.	8-10 of the labs are present. Titles & dates are missing from most labs.	Fewer than 8 of the labs are present & completed.