Units I and II: Learning Log

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| **Learning Intentions** | **Workbook Reference** | **Practice** | **Evidence** |
| Personal protective equipment  • list the safety and protective equipment available in the laboratory  • describe how and when to use each piece of equipment  • indicate on a school map the location of the nearest fire alarm and appropriate fire exits  • list sources of first-aid assistance other than the classroom teacher | Sections I.1 to I.3 |  |  |
| Common laboratory hazards  • describe common chemistry laboratory hazards  • describe the appropriate procedure or technique for dealing with particular hazards | Sections I.4 to I.5 |  |  |
| Safety rules  • produce a list of general rules of safe laboratory conduct  • display a conscious safety attitude in the laboratory | Section I.6 |  |  |
| Metric Unit conversions  • use SI units and their accepted alternatives in chemistry | Sections II.1 to II.3 |  |  |
| Derived Quantities and Calculations Involving Density  • correctly determine the unit of a derived quantity | Section II.3 page 23 and Section II.4 |  |  |
| Measuring and recording significant data  • demonstrate skills in measuring mass, volume (liquid), and temperature  • describe the imprecise nature of all measurements  • determine the number of significant figures in a measured quantity and relate to the uncertainty  • round off calculated results to the appropriate number of significant figures  • state the acceptability of the numerical results of a lab experiment with regard to the uncertainty of the results | Section II.5 |  |  |
| Graphing  • communicate results and data in clear and understandable forms | Lab Activities |  |  |