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 |  |  |