Safety during the lab \_\_\_\_\_\_ / 2

**Scientific Method** \_\_\_\_\_\_ / 2

* Correct order
* Ruler used to draw table
* Title and headings underlined
* Professional-looking scientific paper
* Clear communication of discussion of results

**Purpose** \_\_\_\_ /1

|  |
| --- |
| The purpose of this lab is to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Objectives 1 & 2on page 52 of lab text) |

**Hypothesis** \_\_\_\_\_ /1

|  |
| --- |
| If/When …. then…because… (Which liquids are the same? What makes you think they are the same? What will prove that they are the same of different?) |

**Materials & Apparatus** \_\_\_\_/1

List reagents used…

**Procedure & Safety Precautions** \_\_\_\_\_ / 4

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| --- |
| As outlines in “Health Chemistry Laboratory Experiments”, Canadian edition, 1987, pages\_\_\_\_\_\_\_\_\_\_.  (List briefly the safety hazards of the lab indicated in the margins of the lab text)   * Working with unknown chemicals * Test Papers * Manganese (IV) oxide |

**Data/Observations/Calculations** \_\_\_\_ / 4

|  |
| --- |
| * Include Data Table 1 |

**Discussion**  \_\_\_\_\_ / 5

|  |
| --- |
| Page 54 Questions & Calculations:   * Questions #1 * Question #2 * Question #3 * Question #4   Follow-up Questions:   * #1 |

**Conclusion**  \_\_\_\_\_ / 3

|  |
| --- |
| * Restate the purpose of the lab (In this lab, I…../ In conclusion we found the ….) * Was your hypothesis correct/incorrect? Explain. * What tests determine if four unknown liquids have the same chemical properties and if they unknowns are the same of different. |

Total Score: \_\_\_\_\_\_\_\_\_\_/23