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

|  |
| --- |
| 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