**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**K: /8 T: /8**

**Pre-Lab: Law of Conservation of Mass**

**\*\* This section is evaluated *before* the lab; no marks will be given if it is completed after the lab.**

1. Write out a hypothesis statement for this lab. **Use the format: If … then…, because ….**

**Questions: What happens to the total mass of reactants and products if the reaction occurs in a closed environment? In an open environment? Explain your answer**. **(T, 4 marks)**

2. Read the Safety Data Sheet (SDS). List 2 health hazards and 2 first-aid measures for the chemicals that will be used in this experiment. **(T/I 4 marks)**

3. Create a flow chart for each set of lab procedures in Part A and Part B (Including small drawing if necessary.)

 **(K/U 8 marks)**

 **Exemplar: This example is not a complete version.**



Step 1: Practice holding test tube and sliding it into the flask

Step 1:

Part B: Baking Soda and Vinegar

Part A: Iron (III) nitrate and Sodium hydroxide

Put on Safety Goggles

**Due Dates:**

**Pre-lab questions due:** **Tuesday February 28**

**Final Report due date: Tuesday March 7**