Format for Experimental Conclusions

1. **Neat** (separate paper instead of the worksheet, heading/title, date)
2. Paragraphs (5 sentences, indented, topic sentence)
3. Basic grammar (capital letters and periods)

I. **Discuss Data (paragraph 1)**
   1. **Describe Results:** My results showed that...
      a. **Example:** “Two subjects increased their scores, one subject stayed the same, and the other decreased.”
      b. **Example:** “Out of a test sample of four, 50% (2) of the test subjects increased their scores, 25% (1) stayed the same, and 25% (1) decreased.”
   2. **Address the hypothesis:**
      a. “The data suggests/supports/proves...” OR “There is sufficient/insufficient evidence supporting the **hypothesis** that...”
      b. **Why:** because...

II. **Discuss Experimental Design (paragraph 2)**
   1. **Was the experiment controlled?**
      a. There were variables that may have affected the result other than the jolt cola...(discuss uncontrolled variables)
   2. **OR This experiment was controlled because...(discuss controlled variables)
   3. Therefore, the results support/don’t support the **hypothesis**...because
III. Discuss Scientific Reasons for Results (paragraph 3)
   1. What scientific principle/concept (researched or studied in class) was being tested in this experiment?
      a. “The scientific concept/principle being tested in this experiment was...”
   2. Reason for result: Use the scientific concept/principle from #1 to explain your result.
      a. “The results of this experiment showed scientific/principle in the following way...”