**Factors Affecting Respiration & Fermentation Lab Report Requirements:**

General Instructions:

* You do not have to include a title page, please make sure your name is at the top of your report.
* You may use Roman Numerals for each section (I, II, III). However, make sure to title each section as well.
* Be neat & organized, presentation counts. Reports MUST be typed.
* Groups may show only experimental inquiry set up information & data. You MUST write your own lab report.
* Read instructions below carefully.

1. Descriptive Title
2. Date(s) of Experimentation
3. Purpose/Problem

* What are you trying to find out?

1. Hypothesis
   * Suggest a solution to your problem.
   * IF…THEN… format
2. Background Information
   * What information helped in developing your hypothesis?
   * You MUST include a general description of cellular respiration/fermentation, why cellular respiration/fermentation are important, and background information on your factor that led to the development of your hypothesis.
   * Must be in paragraph form.
3. Materials
   * May be numbered or bulleted.
   * List the materials you used in YOUR experiment
   * Include TOTAL amounts and type (i.e. 50 mL 1M HCl)
   * BE DETAILED!
4. Procedure
   * List the detailed steps of your final experiment.
   * Needs to be detailed so that someone else could perform the experiment.
   * Number each step.
5. Data
   * Neat and organized data tables
     + Include appropriate title (table 1 is not appropriate)
     + Include units
   * Graphs
     + Include appropriate title (graph 1 is not appropriate)
     + All axis must be labeled and include units.
     + ALL experiments must include graphs to show trends for analyzation.
6. Analysis of Data
   * Describe and summarize your results here. Relate them back to the purpose of the experiment.
7. Conclusion
   * Restate the purpose of the experiment.
   * Do your results support or contradict your hypothesis? Use your data to back this up.
   * Explain your findings. What is the meaning of your data?
   * Describe error that may have affected your results.
   * If you had to do the experiment again, what would you do differently?
   * End with a summarizing statement about the experiment.