

AP Biology
Pre-Lab Assignment
(Adapted from K.W. Fisher)

This must be done in order to participate in lab activities

- * Before coming to lab, you should identify the experimental characteristics below for the specified lab.
- * You may work together but copying another person's pre-lab is cheating. A grade of zero will be assigned for the lab if you are caught copying another person's pre-lab.
- * This is based upon experimental characteristics defined by AP exam readers, June, 1999.
- * No late assignments will be accepted. NO EXCEPTIONS!!!
- * Use this form.

IN YOUR JOURNAL

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1. State the hypothesis. Identify it as the hypothesis. You may use "If/Then" statements.

 2. Identify the control group that will be used for comparison. (It does not contain the variable being tested.)

 3. Identify the dependent variable. (the one that will change; the experimental group)

 4. Identify the independent variable. (the variable being manipulated)

 5. Identify any other variables that are being held constant in the experimental group. For instance, each setup may be measured for the same amount of time; or each setup may have the same amount of solution in each beaker, etc.

6. Identify what is being measured.

Example: (CO₂ or H₂O consumption; growth; production of a product; etc.)

7. What method and/or time frame is used?

Example: I will take readings of every 5 minutes for 30 minutes.

8. What is the rate of calculation and/or statistical application?

Example: average number of trials, slope of the curve, etc.

9. How will the results be verified? (sample size or repetition)

10. How will the experimental results be presented? (graphs, charts, etc.)

11. What are the expected results? Why? This is your best prediction based on reading the lab and any other information you obtain. (Other sources on information can be your book, the Internet, Cliff's book, etc.)