

## AP Biology / AP Environmental Science: Pre-lab Assignment

Name: \_\_\_\_\_ Block: \_\_\_\_\_ Date: \_\_\_\_\_

- Before coming to lab, you need to identify the experimental characteristics below for the specified lab.
- The pre-lab assignment will count up to 10 points toward the lab grade.
- You may work together but your work will be your own.  
A grade of zero will be assigned for the lab if you copy another person's pre-lab.
- No late assignments will be accepted.
- Use this form.

1. What is the problem or purpose of this lab?

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2. Identify the independent variable.

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3. Identify the dependent variable.

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4. Identify what is being measured and HOW (by what method) will measurements be taken?

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5. State the hypothesis. *Identify it as the hypothesis* and use "If/Then" statements.

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6. Identify the control setup that will be used for comparison.

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Identify any other variables that are being held constant in the experimental group/setup.

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7. How will the results be verified, increase validity? (sample size, repetition, other?)

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8. What method and/or time frame is used? E.g. I will take readings of ... every 5 min for 30 min.

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9. What is the rate calculation and/or statistical application? E.g. avg. number trials, slope of curve, etc.

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10. How will the experimental results be presented?

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