

AP Environmental Science
Laboratory Report Rubric

Name: _____ Date: _____

Item	Points Possible	Points Earned
Cover Page/Title: Title is descriptive and relevant. Class information, such as name of student, class, date or report, and school are listed under the title. If a coversheet is used, students follow APA or MLA style format.	3	
Dates are comprehensive and indicate sampling date, if there was more than one test day.	2	
Key Terms listed as a reference point for database searches.	5	
Objective or Hypothesis is measureable and clearly stated. Hypothesis is stated in an "if...then" context.	5	
Control and Variables are indicated. Both independent and dependent variables are described.	5	
Materials used in the lab are listed in alphabetical order. Any unique materials are described and referenced.	5	
Procedures are clear, orderly, and reproducible by other parties. Fig. # used for procedures that refer to images, charts, graphs or videos.	10	
Lab Images are included which show each step of the field or lab procedure. Images are readable and size does not detract from the report structure. Each image is labeled with a title, has a brief description, and a figure number for reference.	10	
Data Charts include data taken at each step of the test. Each cart is labeled with a title, has a brief description, and a figure number for reference.	10	
Graphs are used to help visualize and clarify data taken in during the lab. Each graph is labeled with a title, has a brief description, and a figure number for reference.	10	
Calculations are included in the report in numerical format and are described for clarification. Any variables are defined.	10	
Analysis and Conclusions are written in a clear and concise method. Each part of the lab is reiterated. Student has summarized and analyzed the data with regards to whether the objective or hypothesis was met, or refuted. All data charts, graphs and images are referenced using figure numbers when discussing the information contained in them. Students should review the 10 key questions/sentences used in writing lab conclusions (see attached).	20	
Grammar and Spelling: Appropriate grammar, spelling and punctuation are used. Students adhered to either the APA or MLA style.	5	
TOTAL POINTS	100	

Key Questions/Sentences in writing lab conclusions.

- What was the purpose of the lab? (1 sent.)
- What was the hypothesis? (1 sent.)
- Was this a field experiment or a lab experiment? (1 sent.)
- Was this a longitudinal or short-term experiment? (1 sent.)
- How were the controls and variables established (1-2 sent.)
- What were the main materials used? (1-2 sent.)
- What were the decisive procedures used? (1-2 sent.)
- What observations were significant? (1-2 sent.)
- How did the data confirm or refute the hypothesis? (1-3 sent.)
- How can this information be applied to solving the current situation (3-5 sent.)