

Name: _____
 Date: _____
 Period: _____

pH Lab: Data Evaluation Essay 80 points

Directions

You will write an essay in response to your pH lab work. There is no right or wrong answer to the essay question. Please use specific examples from your labs and explain the procedures in a detailed manner. This paper will serve as the cover page to your writing

Writing Prompt

Which of the pH testing methods that you experimented with (litmus paper and probe testing) is the most scientifically valid?

Grading Rubric

| | 20 | 15 | 10 |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| pH | pH is correctly defined and explained. Acids and Bases are also defined. | pH is defined and Acids and Bases are mentioned | pH is not mentioned or is defined incorrectly. There is little evidence of knowledge of Acids and Bases. |
| Litmus Paper Testing | Litmus paper test is correctly described and specific examples from the lab are provided. | Litmus paper test is correctly described but examples are not specific. | Litmus paper test is explained incorrectly and/or examples are missing. |
| Probe Testing | pH probe test is correctly described and specific examples from the lab are provided. | pH probe test is correctly described but examples are not specific. | pH probe test is explained incorrectly and/or examples are missing. |
| Analysis | A well supported argument is made in favor of one (or both, or neither) of the testing methods. Specific examples are provided. | An argument is stated in favor of one (or both, or neither) of the testing methods. Vague or incomplete examples are included. | Writing prompt is not addressed, argument is not stated. Examples are missing. Point of view is unclear. |

Total: _____