Ocean Chemicals Lab Part 2 Rubric **Total \_\_\_\_\_\_\_\_\_\_\_\_\_**

3 = Fully Present

2 = Mostly Present

1 = Somewhat Present

0 = Not Included

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| --- | --- | --- |
| Experimental Design Component | Description | Score |
| Title Slide | Assigned chemical pollutant identified. All participants first and last names listed. Period number identified. Slide also includes a picture.  |  |
| Pollutant Entering Oceans | Describes in detail how human activity is causing the pollutant to end up in the ocean. Slide(s) includes text and a picture.  |  |
| Pollutant Affecting Marine Life | Describes in detail how the pollutant is affecting plants and/or animals. Slide(s) include text and a picture.  |  |
| Controlled Experiment | Experiment includes a control group. Report also states what variables are the same and different between the test and control group. To be a controlled experiment, only one variable (chemical pollutant) should be different between each group. Slide(s) include text and a picture.  |  |
| Materials Needed | All solutions, chemicals, and lab equipment needed to run the experiment are listed. Slide(s) include text and a picture.  |  |
| Safety Hazards | Report specifies at least two safety hazards that the people running the experiment will need to look out for and how they can be prevented. If no safety hazards present, clearly describe why there are no safety hazards while running the experiment. Slide(s) include text and a picture.  |  |
| Experimental Variables | Report identifies the test subjects, control group, test group, independent variable, and dependent variable. Slide(s) include text and a picture.  |  |
| Procedure | Report identifies the step-by-step procedure. Slide(s) include text and a picture. Pollutant concentration varied and the report described in detail how to make each pollutant concentration. Quantities are clearly stated. Slide(s) includes text and a picture.  |  |
| Data Collected  | Quantitative and Qualitative data to be collected is identified. Slide(s) include text and a picture. |  |
| Data Table | Fully constructed data table presented. The data table and the text within it will suffice as the text and picture for this slide.  |  |
| Graph | A snapshot using the snipping tool of the type of graph is presented. The main, y-axis, and x-axis titled are also identified. The graph itself will suffice as the picture.  |  |