Summer Assignment Lab Report

Using the following set of instructions and the copy of “Determination of the Empirical Formula of Silver Oxide”, write a lab report. This report will be a starting point for lab report assignments. It will be graded but not recorded in my grade book. Your improvement will be monitored throughout the school year. A rubric is attached.

Instructions for the lab report

Header:

* student name, date, and title of the lab

Introduction:

* In essay format, discuss the purpose of the lab exercise and the scientific concepts that apply to the understanding and analysis of the data generated to satisfy the purpose.

Procedure:

* In paragraph/essay form, describe the lab and materials used in general terms. Relate the procedures to the purpose or scientific concepts discussed in the introduction where appropriate.

Data:

* MEASUREMENTS ONLY
* Table format with units and all significant figures

Calculations

* NOT THE SAME AS DATA
* Show one example for each calculation
* Do #1-4 calculations listed in Post-Lab Calculations and Analysis on page 4 and enter the results in a table

Analysis

* Complete the analysis calculations #5-8 and report results.
* Discuss in paragraph form the results of the experiment, the purpose of the lab, and relate the results to the introduction. Why did the lab work, how well did it work, and what scientific principles support your conclusions?
* Discuss sources of error. The error discussion should relate directly to procedures and chemical concepts. Your error choices MUST actually explain the direction of the error. If your answer shows too much Ag in the silver oxide, your error discussion must actually explain too much Ag.