B1/2 Physical Science/Life Science Assignment Guide

Practical aspect - demonstrate, analyze, explain

Checklist - for instructors to determine if the assignment aligns with the B1/2 Rubric

- opportunity for student to demonstrate understanding of a concept
  - Understanding can be theoretical, quantitative, and/or qualitative.
  - demonstration can be through written or oral communication, or graphical representation
- opportunity to analyze observations/data
  - analysis may be calculations, graphs, diagrams, qualitative analysis
  - data quality or uncertainty may be assessed
- opportunity to use or apply the scientific method OR discuss standards and ethics
  - Examples of application or discussion may include
    - Theory or hypothesis testing
    - evaluation and revising
    - discuss case-studies of falsified data or dealing with discordant data
    - examine ethical standards of scientific organizations