

1. In a short-essay exam question, evaluate a claim or research to determine whether it has a basis in non-science, pseudoscience, or science.
2. In a written scientific report for a metabolic experiment, introduce the testable hypothesis, articulate the procedures applied, report the appropriate statistical analyses, interpret the results, and discuss uncontrolled variables.
3. From a primary scientific article identify a research question, and write a 2-4 page proposal in scientific format introducing research question, background information, and methodologies that test the study question.