Research Plan

A. Question or Problem (statement stated as a question leading to the study)

B. Goal/expected outcome/hypothesis (state the purpose, objective, or engineering goal)

C. Hypothesis should follow the problem, purpose, etc. It is a temporary answer, prediction, educated guess. **Stay away** from “I think that...” It should be direct and not wordy and not in first person. It should relate to the problem or the question.

D. Method or Procedure

♦ Measurements should be in metric units.

♦ Include concentrations, quantities, and instruments or major equipment used.

♦ If applicable, include a copy of surveys, questionnaires, or test administered.

♦ Mention safety or sterilization procedures when necessary.

♦ If working with Human Subjects, how are their rights, welfare, and identification being

 Protected?

♦ Justify the use of nonhuman vertebrate animals.

♦ Stay away from personal pronouns: “I will...We will...Next I will...etc.”

♦ It is best to start with ACTION words, “Measure 3.5 ml of water and...” or “3.5 ml of

 water will be measured and transferred to a...”

D. Bibliography (List of references or literary resources)

♦ Submit at least 5 major references when submitting the plan for approval.

♦ Use science journal, books, reliable Internet sites, NOT just Internet sources.

♦ Follow a proper bibliography format for journals, books, Internet sites, etc. Select

 one style and use it consistently. http://easybib.com may be helpful.