

Scientific Research Proposal Checklist

Abstract -

- ◇ Summary of research

Introduction and Literature Review -

- ◇ Provide background information and theory relevant to the experiment proposed
- ◇ Explain overall theme of the experiment that will be conducted
- ◇ If specific organisms are to be used, introduce species by scientific name
- ◇ State motivation behind study

Research Hypothesis -

- ◇ Explicitly list objectives
- ◇ State hypotheses
- ◇ State predicted outcomes

Methods -

- ◇ Describe experimental design without too much or too little detail
- ◇ Describe controls
- ◇ Describe replicates

Conclusion and Justification -

- ◇ State why the study is important
- ◇ How will it advance scientific knowledge?
- ◇ Will it change any policies or practices?

Bibliography -

- ◇ All sources used in the text are cited here
- ◇ Sources not used in the text are not cited here
- ◇ Citations are formatted correctly