SCIENTIFIC WRITING
TUTOR IMRD CHECKLIST

INTRODUCTION

__ States purpose of experiment

__ States hypothesis (summary of expected outcome)
   (Example hypothesis: “It was predicted that as temperature of the solution increased, the rate of dissolution would increase.”)

__ Explains background information such as theories, reactions, and formulas that justify the hypothesis

__ Mentions type of experiment performed (exploring/observing phenomenon, testing a theory)

METHODOLOGY

__ Summarizes procedure in paragraph form, not a list

__ Includes quantitative/numerical values for measurements

__ Omits details for steps that would not matter if someone did them differently

__ Contains enough clarity that someone else could replicate the procedure based on the writing.

RESULTS

(data/tables/graphs)

DISCUSSION

__ Restates purpose of experiment

__ States whether data supports hypothesis

__ Mentions trends in data with calculations of percent error

__ Uses past tense when referring to procedure or data; use present tense when referring to graphs or tables

__ Explains any unexpected results

Includes a conclusion that contains:

__ summary of experiment

__ explanation of how experiment broadly relates to fundamental principle, property, or idea