

Appendix F

Scoring Rubric for Purpose-Method-Results-Conclusions Reports

Purpose – 20 pts

Excellent (18-20)

Introductory material introducing the topic in question, relevance

Hypothesis stated, specific, and complete

Information presented logically, accurately

Few grammatical errors (none if bacterial names are used)

Citations as appropriate in author, date format (Kleyn and Bicknell, 2004), (Leboffe and Pierce, 2002), and (Talaro, 2005) are most common.

Proficient (16-17)

All of above elements are present, but with a few problems

Average (14-15)

Major problems with introductory paragraph or hypothesis

Many grammatical errors

Marginal (12-13)

Major problems in multiple areas

Unacceptable (0-11)

Complete lack of understanding of experimental hypothesis

Major, repeated errors

Methods – 25 pts

Excellent (22-25)

All methods presented completely, logically

Few grammatical errors (none if bacterial names are used)

Citations as appropriate

Past tense

Other categories as above

Results/Conclusions – 25 pts

Excellent (22-25)

All results are presented completely, logically, controls (what is being controlled for?)

All tables, graphs, etc have an introductory sentence or two introducing the reader to what is being presented.

All table, graphs, etc are labeled properly and are properly referred to if in a different place in the report, for example “A summary of the results is listed in Table 1 (see attached sheet).”

Citations as appropriate
All abbreviations are explained completely
Few grammatical errors (none if bacterial names are used)
Order of results reflect order presented in methods
Past tense

Other categories as above

Discussion – 20 pts

Excellent (18-20)

Possible sources of error if appropriate
Few grammatical errors (none if bacterial names are used)
Order of conclusions reflect order presented in methods and results
A final section applying the information gathered to a “real world” scenario
Citations as appropriate
Appropriate tense

Other categories as above

Bibliography – 10 pts

Excellent (9-10)

All citations are listed
Format is complete (can have MINOR variations)
NO WEBSITES

Examples of acceptable citations:

Kleyn, John and Mary Bicknell. 2004. Microbiology Experiments, A Health Science Perspective. 4th edition. New York, NY. McGraw Hill Companies, Inc. p. whatever-whatever.

Talaro, Kathleen. 2005. Foundations in Microbiology Basic Principles. 5th edition. New York, NY. McGraw Hill Companies, Inc. p. whatever-whatever.

Total – 100 pts