

Rubric – Research Paper for Petrology**Abstract (10):**

summary? (4) _____

style? (3) _____

length? (3) _____

Intro (10):

describe problem? (4) _____

state hypotheses? (3) _____

importance / contribution? (3) _____

Observations (30):

focus on data? (10) _____

correct / relevant data? (10) _____

sufficient data? (10) _____

Discussion (20):

context for data? (6) _____

discussion of hypotheses vs. data?

(8)? _____

insightful? (6) _____

References (10):

style? (3) _____

all cited? (4) _____

none missing? (3) _____

Figures/Tables (10):

ordered / cited in paper? (2) _____

citation to sources? (2) _____

useful? (3) _____

captions? (3) _____

Writing style, grammar (10):

spelling? (2) _____

grammar? (2) _____

proofreading? (2) _____

clarity? (2) _____

style? (2) _____

Format of an original research paper:

- *Abstract*: Brief, ~1/2 page max., summary of the findings (10 points)
- *Introduction*: General description of the problem (10 points - Geologic setting, statement of the problem, hypotheses, contribution of this paper)
- *Observations*: What you saw. No interpretation here, only data (30 points - Useful, significant/relevant, sufficient)
- *Discussion*: Integrate what you saw with what others have found. Consider the various hypotheses in the light of the data (20 points - Consideration of the various hypotheses in the light of the observations of this paper)
- *References Cited*: Use the same format as Geological Society of America Bulletin (10 points - correct & complete).
- *Figures*: Maps, Sketches, Photos, Graphs, All should have complete captions and be referenced in the text by number (10 points - Useful, good captions, reference in the text)
- *Writing Style and Grammar* (10 points)

Format of a literature search paper:

- *Abstract*: Brief, ~1/2 page max., summary of the findings (10 points)
- *Introduction*: General description of the problem (10 points - Geologic setting, statement of the problem, hypotheses, contribution of this paper)
- *Observations*: What the main observations of various authors were: observations used to help solve the problem (30 points - Useful, significant/relevant, sufficient)
- *Discussion*: Consider the various hypotheses in the light of the data. You can formulate your own ideas or summarize those from other papers. You'd better reference almost every bit of the paper... (20 points - Discussion of the various hypotheses)
- *References Cited*: Use the same format as Geological Society of America Bulletin (10 points - correct & complete).
- *Figures*: Maps, Sketches, Photos, Graphs, All should have complete captions and be referenced in the text by number (10 points - Useful, good captions, reference in the text)
- *Writing Style and Grammar* (10 points)