

Lab Report Rubric
APES
Mrs. Bugenske

Focus Question(s) (1 pt each)

- _____ relates to investigation/big idea/objective of lab
- _____ clear and concise

Hypothesis (1 pt each)

- _____ clear, testable
- _____ related to question being investigated
- _____ includes both the independent and dependent variable in "If...then..." format
- _____ includes explanation for "why"

Methods & Procedures (1 pt each)

- _____ lists the materials needed
- _____ describes the steps taken
- _____ specific enough to be repeated by another scientist
- _____ controls for all other variables (consistent)
- _____ includes a sketch of the setup

Data Collection & Observations (1 pt each)

- _____ tables/charts included to record data (when appropriate)
- _____ tables are neat and accurately labeled (units incl.)
- _____ observations related to investigation(incl. limitations, uncertainty)
- _____ graphs are present to show patterns (when appropriate)
- _____ graphs include: titles, axis labels, key, units

Analysis (3 pts each)

- _____ makes *claims* that relate to the focus question
- _____ each claim has *evidence* from the data that support it
- _____ claims have *reasoning* that use the evidence to explain them

Conclusions (2 pt each)

- _____ begins with a topic sentence that puts the focus question into a sentence
- _____ hypothesis is accepted or rejected
- _____ lab is tied back to the content being studied
- _____ explains any error **and how it may have affected the results**
- _____ includes ideas for how to improve or change the lab to study further

Total: _____/35