

U1, C1 test study guide – respond to each by writing notes or giving an example, must be highlighted

1. What are the criteria for a fair test
2. Identify controlled variables in an experiment (use an example)
3. Identify and define manipulated and responding variables.
4. Identify the question an experiment is designed to answer. (use an example)
5. Identify the values (names) of the manipulated variables. (use an example)
6. Identify a good conclusion and the criteria that must be included.
7. Identify a poor conclusion and what is missing.
8. Calculate best value, uncertainty, and range. (use an example and cite formulas)
9. Be able to use range in determining if a conclusion is valid. (give an example)
10. Why are multiple measurements (trials) made during an experiment?
11. How are outlier data resolved during and after an experiment?

Vocabulary: Use each in a sentence or define.

Variables

Relationship

Cause and effect

Fair test

Manipulated variable

Responding variable

Hypothesis

Conclusion

Evidence