

General Guidelines for Open-Response Questions

- The question is restated in the answer.
- All parts of the question are answered correctly.
- Complete sentences are used.
- An explanation for the answer is given.
- Proper scientific terminology is used.

You are encouraged to use the detailed “Scoring Rubric for Open Response Questions” worksheet during the tests.

The Required Problem Solving Format

1. Read the problem (underline key information.)
2. List the knowns and unknowns (in a table or diagram.)
3. Write an equation in the most familiar form.
4. Rearrange the equation solving for the unknown variable.
5. Substitute in the numbers and units.
6. Solve and include units in the answer (draw a box around the answer.)

Guidelines for Lab Reports

Title (descriptive – “The motion of a pendulum” *not* “Lab 12”)

Date

Lab Partner(s)

Hypothesis (what we think will happen)

Material (what was actually used, sizes and/or amounts)

Procedure (simplified, use past tense, refer to text if appropriate)

Observations (narrative, data tables, graphs, diagrams, etc.)

Conclusion (refer back to hypothesis)

Analysis (accuracy? error? recommendations for improvement?)

Post-lab (text questions, analysis, extensions, etc.)